

# AMERICAN NURSERYMAN

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

OCTOBER 15, 1950



Syringa Microphylla

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# AMERICAN NURSERYMAN

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*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

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## AMERICAN NURSERYMAN

F. R. KILNER, *Editor and Publisher*

Joan L. Kilner, *Assistant Editor*

### Editorial

#### GARDEN CENTERS.

The term garden center has come to mean a nursery salesyard combined with quarters or a shop for the sale of equipment, tools and supplies which home gardeners require. Neither the name nor the idea is new, but the advance in the number and the caliber of such establishments in the years since the war has been notable.

Probably the most elaborate garden centers are those in California, because gardening there is practiced most of the months in the year and sales of nursery stock are not confined to limited periods in autumn and spring. Combined with sale of woody plants is that of tender bedding plants, of which amazing numbers are moved in flats and package forms. The large volume of business moved through an establishment of this kind on the west coast enables expansion and refinement to a degree scarcely met in the colder states.

From study of the California garden centers, eastern nurserymen have gained many ideas for the improvement of their own retail sales establishments, some of which have been of outstanding caliber for many years. As examples of this successful means of selling almost all sorts of hardy plants at retail became more numerous in the midwest and east, they impelled other nurserymen to follow.

The labor shortage during and following the war fostered all types of self-service establishments, and nurserymen were not slow to see the advantages, since manpower is usually at a premium during their busy season and trained and responsible salespersons are hard to find. As the operators gained experience, the public profited by being able to buy better stock, in better condition and at more favorable prices. The public has taken a fancy to this method of buying, to which it is accustomed in other mercantile lines.

Some of the most successfully designed and best operated salesyards or garden centers have been pictured or described in these columns before. The constantly increased interest expressed by subscribers has resulted in a series of illustrated articles, beginning on the opposite page in this

issue, which will describe more recently established garden centers in such detail as to answer the questions of readers and assist them in plans for such undertakings of their own.

#### ELECTION DAY IS COMING.

Today there are differences of opinion in the operation of our government clear up to the highest places. In the American form of government it is the right and privilege of the voters, aside from their patriotic duty, to determine the basic decisions of government. The approaching election in November will give that opportunity. We are not concerned here as to the persons or measures for which you cast your ballot. But it seems important that every voter see that he or she is properly registered beforehand and then prepared to exercise the right to vote on election day. Remind your employees of this fact and see that they have the opportunity to exercise their franchise.

#### GUIDING GARDENERS.

Science has come to the rescue of home gardeners, as well as commercial growers, with new chemical compounds and research on old ones to provide more effective insecticides, fungicides and weed killers than they have had before. In fact, so rapidly have these new compounds been introduced that the home gardener has difficulty keeping up with them.

But more confusing to him is the number of brand names under which one of these chemical compounds may be offered. Each manufacturer has a different trade name, although the basic chemical compound may be the same and, indeed, may have come from the same chemical supplier. Unless the gardener is much better informed than the average, he can scarcely know that the brand of weed killer he buys from his hardware store contains the same effective agent as did the one he bought from a neighboring garden shop.

Gardeners received guidance in one such instance in a recent advertisement of the American Cyanamid Co. in the garden pages of newspapers, telling of the advantages of potassium cyanate to kill crab grass and chickweed. Besides listing those advantages, the advertisement went

on to name ten manufacturers and the respective trade names under which they offered a potassium cyanate crab grass killer obtainable at a local garden supply store.

Chemical suppliers who do business on a nation-wide scale can afford not only to advertise widely the merits of a new chemical compound for garden use, but also to guide gardeners in comprehending trade names and what they stand for.

#### BUILDING STILL UP.

Although a decline in construction activity is expected as one of the effects of the rearmament program and of the President's order restricting credit, the volume of construction contract awards in the thirty-seven states east of the Rocky mountains broke all records in August, according to figures collected by F. W. Dodge Corp. The figure of \$1,548,876,000 was nine per cent above the July total, which had shattered all previous records. The August contract volume was up seventy-one per cent from the figure for August of last year. On the basis of square feet of floor area, the total for the first eight months of 1950 was seventy-two per cent greater than for the corresponding 1949 period. Residential awards in August were up ninety-two per cent from August, 1949.

On account of the size of those figures, as well as rising prices for materials and labor and the tightening of mortgage credit, housing construction may be expected to decline from now on.

#### CAPITAL NECESSARY.

In order that the American workman can earn a high weekly wage which affords him the standard of living which he enjoys, an investment of \$10,800, including \$9,000 of long-term capital, is necessary. This is the investment per worker in non-farm industry, according to figures of the Machinery and Allied Products Institute.

This investment makes necessary the capital afforded by savings of the workers themselves and those who employ them. Because of higher costs, new production tools to equip more workers require a total investment of \$14,000 per worker, including \$12,000 in long-term capital.

# Self-service System in Nursery

The owners, their employees, and their customers, all vouch for the practicability of Burton's self-service garden center at Hyattsville, Md., which was opened only last spring. Intrigued by the attractive self-service nurseries that they saw during their trip to the convention of the American Association of Nurserymen at San Francisco in 1949, Mr. and Mrs. John H. Burton adopted the self-service system for their own firm. With the exception of an occasional carpenter's or electrician's help, all roads, buildings and sale areas were constructed by the Burton employees and were ready for spring business this year.

Mr. Burton has been in the nursery business since 1934, but most of his business had been general landscape contracting and maintenance prior to establishing the self-service center, and the firm had seldom catered to the so-called transient trade. Few persons visited the nursery in search of plants to purchase; in fact, such customers were not especially encouraged, since much valuable time was consumed in showing these visitors around the nursery and in explaining the virtues, habits and requirements of the various plants.

The nursery consisted of a 5-acre area containing a small office, storage and service facilities, greenhouses, coldframes and lining-out beds. An attractive, well maintained display area served as a permanent advertisement to attract passers-by. Nursery stock was grown at Kalmia Farms, a 290-acre tract of land surrounding the Burton residence, some seventeen miles from the office.

Without undue difficulty the Burtons were able to rearrange the nursery into the attractive garden

center that exists today. The main building is a one-story, 3-wing, T-shaped structure, measuring roughly 35x100 feet, and the south wing holds a 20x35-foot garden store. The floor is of ordinary concrete. Wide, double-door entrances are at the front and back of the building for the convenience of both customers and staff. On three sides of the store are large picture windows, so that customers who are inside may see the stock displayed outdoors, and visitors who are outdoors may readily see the merchandise inside the building. Three ample-size racks of various styles and shelves of different sizes and heights accommodate an assortment of seeds, fertilizers, insecticides, tools, bulbs and other items needed by a garden-minded homeowner. In front of the garden store, which serves as the main sales area, is a stone terrace. There are displayed such bulky objects as wheelbarrows, lawn mowers, hose carts, seed and fertilizer spreaders and similar equipment.

The north wing is a 20x35-foot Lord & Burnham greenhouse-type conservatory, which Mr. Burton's employees built according to his specifications. This section balances the south wing and has a concrete floor. A circular arrangement in the center can be used for either a small pool, fountain, heeling-in bed or display of garden pedestals, sundials or larger plants. Inside, flanking two sides of the conservatory, are attractive benches on brick piers containing various small ferns, shrubs, vines or house plants. Along the other two sides are flower beds, bordered three bricks high, containing a similar assortment of potted plants for sale.

Three of the conservatory walls

are of glass. The glass roof and rear windows and doors are painted to shade plants, and the paint on the rear side also helps to hide the service area of an adjacent caretaker's cottage. Large picture windows face the highway and the parking area and present an unspoken invitation to passers-by to stop and see the plants inside. Picture windows at the end of the conservatory overlook attractive display grounds, which indirectly suggest to customers similar garden possibilities for their own home grounds. The display is composed of annuals, perennials and hedges in a lawn area, with an attractive background of trees and shrubs. Like the garden store, the conservatory has a stone terrace, somewhat suggestive of a patio, in which potted flowers and shrubs are placed. All plants in the conservatory and on the terrace are for sale; all are plainly labeled and priced.

Since Burton's garden center is operated on the self-service idea, salesmen do not wait on customers unless asked. Customers are urged to make their selections and take them either to the garden store or to a salesman on the grounds to make the actual purchase. Weather permitting, back and front doors of the conservatory are always open; this encourages customers' browsing inside the building and adjoining display grounds.

The east wing, which is a leg of the T structure, is a 15x25-foot waiting room, with a flagstone floor and walls of naturally finished knotty pine. It contains comfortable wicker chairs, tables and smoking stands. Showcases, shelves, walls and window ledges offer dish gardens, pottery, copperware and other containers. Vases of cut flowers and



Front View of T-shaped Building Housing Garden Supply Store, Offices and Conservatory at J. H. Burton's Self-service Nursery.





Front View of Garden Supply Store Which Fronts on Highway.

potted plants provide more beauty in this restful atmosphere, and magazines and books are available for the waiting friends or relatives of customers making purchases elsewhere at the center.

At the juncture of the three wings is a small, private inner office and drafting room. Between this room and the garden store is an outer office, where Mrs. Burton handles most of the secretarial and clerical work. This room opens into both the store and the waiting room, and a Dutch-style, 2-section door separates the outer office from the waiting room. The upper half of the door is usually open, which assures some office privacy, yet allows customers to secure information without delay. In the garden store the sales counter and the cash register are aligned with the office door in an arrangement that greatly increases efficiency and saves many steps for the salesperson in search of prices, records or location of materials; answering the telephone, or consulting Mr. or Mrs. Burton or a staff member.

To the rear of the main building is a typical lath-covered shelter that contains seven 5x30-foot heeling-in beds filled with potted or B&B plants. The beds are three bricks high and are separated by paths of crushed stones. Between the main building and the highway is a 35-car parking area that extends southward. Behind this parking lot are eight more heeling-in beds, one board high and each about 6x32 feet.

Toward the rear of the garden center are two small greenhouses and a number of coldframes and heeling-in beds, all filled with vari-

ous types of annuals, perennials, rosebushes, shrubs and evergreens. Also included are baskets of manure, peat moss and compost and a pile of various-shaped pieces of flagstone. The flagstones are sold by the square foot, and a special form has been constructed, so the customer can fit together the pieces he requires, determine the number, size and shape he needs and easily figure out their cost.

Every item is clearly labeled and price-tagged for self-service. Customers take their sales tickets to the cashier, and upon payment the cashier stamps them paid and gives receipts to the customers, who, in turn, give them to the wheelbarrow boys who carry the purchases to the customers' cars.

To date, Mr. Burton is more than pleased with the results of his self-

service nursery. The sale of plants and materials has been more than double his expectation. Moreover, the reaction of customers has been exceptionally favorable, because they like the idea of leisurely browsing around "without a salesman breathing down their necks."

Mr. Burton is a firm believer in advertising, and he has an attractive display advertisement in the Sunday garden sections of each of the three large Washington, D. C., newspapers. Each advertisement features one or two week-end specials, which Mr. Burton believes is more desirable than an advertisement listing many items for sale. In addition, he has three spot announcements broadcast each week over two local radio stations, and a monthly advertisement appears in the Maryland Gardener magazine.

While special offers do bring in the bargain seekers, most sales are by no means confined solely to sales items. The Burton specials are not placed in some out-of-the-way corner, but are set in front, where they are easily found by the customers and are handy for transportation to customers' cars. Curiosity impels the customers to wander around the garden center.

The Burtons have found that no one special type of customer is attracted to the self-service nursery. Customers may vary from the small house plant "putterer," the bargain seeker, the plant "replacer," the small vegetable gardener, the collector, the seeker of the unusual or the man unable to buy what he wants elsewhere to the individual wanting a complete landscape job. In general,



Interior View of Self-service Garden Supply Store.





Lath-covered and Uncovered Heeling-in Beds in Nursery Salesyard at Rear, with Parking Area Adjacent.

no planting stock is guaranteed unless it is planted by Burton's landscape department.

Mr. Burton has had a number of interesting experiences resulting from his offers of week-end specials. One of the first offers was a week-end magnolia special. While visiting relatives in the District of Columbia, one man who lived seventy miles from Hyattsville saw the advertisement and drove to the nursery. When he left the center, he had purchased \$75 worth of plants, none of which was a magnolia. That same customer has returned several times to buy additional plants, but he has never bought a magnolia.

Another buyer became interested in an azalea special. He has returned several times to purchase a few plants to add to his growing collection, which now numbers more than 100 azaleas.

On another occasion a customer came to the firm with a simple plan showing how he wanted his new home grounds landscaped. After inspecting the center and seeing the display grounds, he placed an order totaling more than \$700.

Since the self-service garden center is less than one year old, Mr. Burton considers himself a mere novice in this type of enterprise and makes no claim to being an authority on the subject. Certain conclusions, however, have become apparent, and he is glad to share them with others in the industry. All sales are for cash.

A good self-service center should be properly located and should have a good layout. It must be neither too cheap in appearance nor too elaborate. It must be condensed and compact. Adequate parking space is essential; Burton's 35-car area must be enlarged to accommodate seven-

ty-five automobiles. Since the pebble and crushed stone paths and parking areas are hard on customers' feet and make it difficult for the boys to push their wheelbarrows, all such areas will be macadamized soon.

A well planned underground water system is an absolute necessity. At present plants in Burton's various sales beds are watered by hose or by sprinkling cans, which is a laborious and time-consuming operation. Mr. Burton plans to install an overhead irrigation system. Whenever no customers are present, the overhead water can be turned on to do an irrigating job with a minimum of labor involved.

One of the firm's most persistent problems is the handling of annuals and perennials. These plants are grown in clay pots, but to sell them that way makes their cost somewhat prohibitive. Knocking them out of the pots is time-consuming and less-

ens each plant's chance of a safe arrival at a customer's home. To simplify this problem, Mr. Burton plans to grow annuals and perennials in plant bands, so they can be readily sold, picked out, packaged and carried away conveniently in dozen or half-dozen lots.

Annuals and perennials for early spring sales are grown in greenhouses and coldframes at the rear of the garden store. These are potted up at the proper time and transferred to flat beds prior to selling. Whenever the weather is suitable, these flat beds are brought to the front of the nursery and placed in the heeling-in beds for display and for selling. If the weather should turn cold, all these flats must be taken up and hauled back to the greenhouses and to the coldframes for safe storage until the weather becomes milder. This involves considerable unproductive work, which Mr. Burton

[Concluded on page 57.]



Interior of Attractive Waiting Room at Burton's Garden Center.

# Storage Cellar Construction in Canada

*By Norman J. Scott*

In this climate of southern Ontario, a storage cellar must withstand a range of temperatures from 25 degrees below zero to quite high temperatures in the spring. We now have four cellars here at the nurseries of Brookdale-Kingsway, Ltd., located at Bowmanville, Ont., two of which have been converted from other buildings and two of which are newly constructed, 30x100-foot cellars. Experience has proved that a cellar constructed of cinder block is ideal. Two complete walls are used, the air space between the two walls providing the insulation, and both walls are plastered on the outside and inside with Medusa waterproofing cement.

The first cellar we built, which has proved satisfactory, was insulated by a 4-inch air space. We have since discovered that this is too much, and in building the last new cellar we cut down this space to one inch. Evidently, even in an air space, air has a tendency to move if the space is too wide. However, in a narrow, one-inch air space, the air does not have the same tendency, and there is a better dead air space.

All the door openings of the cellars are double. As nearly as possible, one-third of each cellar is underground, which necessitates a good wall with good footings. The outside wall must be well waterproofed and

the ground immediately outside the foundation well drained.

We have been able to overcome the slight creeping in of frost, which occurs after prolonged cold periods, by simply turning on three rows of 200-watt light bulbs spaced fifteen feet apart. At first, though, it does not seem possible that an ordinary incandescent electric light bulb can give out much heat. However, we find that our rows of them give out heat just sufficient to break the frost.

At first we operated these lights by hand, but we have found that by using a Minneapolis-Honeywell air-stat the lights can be turned on and off without our giving any attention whatsoever insofar as the temperature is concerned. When the temperature approaches 32 degrees Fahrenheit, the lights automatically switch on, and when a point higher than 32 degrees is reached, the lights cut off.

Ventilation is taken care of by large electric exhaust fans. The ceiling is of waterproof plywood insulated with four inches of glass wool covered by matched flooring, which forms the floor of the shipping room built above the storage cellar.

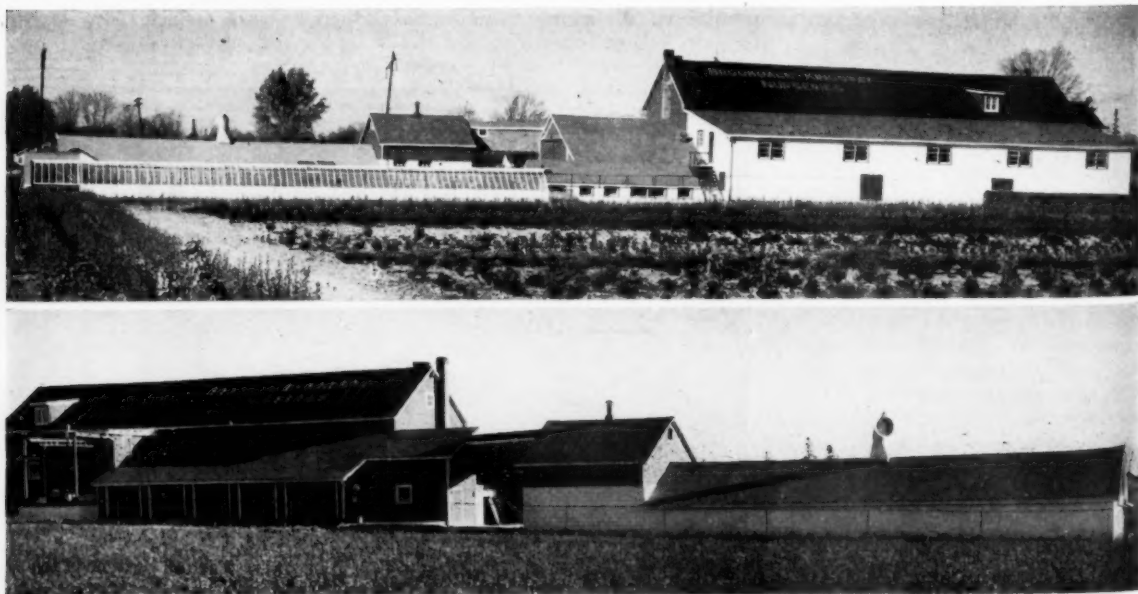
One feature, not as yet incorporated into any of our cellars, but something we feel to be worthy of mention, is the packaged kit developed by Dr. J. H. L. Truscott, Ontario Agricultural College, Guelph,

Ont., whereby cool outdoor air is used to cool the cellar. It may be purchased reasonably.

Dr. Truscott uses a differential thermostat, on which the desired temperature for indoors is set, for example, at about 32 degrees. If the outdoor temperature registers 33 degrees and the indoor temperature is registering 35 degrees, louvers open and a fan pulls in that one degree of cold air. When the desired degree of temperature is reached, the louvers automatically close.

In low temperatures such as those in the northern states and in Canada, this differential thermostat affords an ideal way to take advantage of whatever cold temperatures exist, for in using it one is simply bringing in the cold air on days when the temperature is below the desired level and keeping it there to carry over on days when the outdoor temperature is above the desired storage point.

For a number of years we had a great deal of trouble in storing rosebushes and Montmorency cherries. This past year, with our first storage cellar, which consists of an 18-inch-thick, cinder-block wall, we have been able to keep roses perfectly and to keep mildew to a minimum. At the present time we have approximately 14,000 square feet of storage cellars.



Front and Rear Views of Brookdale-Kingsway, Ltd., Buildings Indicate Size of Storage Cellars under These Shipping Rooms.

## On the Trail of Garden Aristocrats

When Walter Bosworth Clarke decided to specialize in rare, slow, hard-to-grow plants, about twenty years ago, friends experienced in the nursery business told him he would go broke. However, Mr. Clarke believed that his 10-year-old horticultural brokerage business would see him through the rougher days—and rough days there were. His confidence was rewarded. Not only has this policy paid off for W. B. Clarke & Co., San Jose, Calif., but his work has been of great value to nurserymen throughout the country through his introductions of new or rare flowering shrubs and trees.

In 1934, Mr. Clarke first issued his booklet, "Garden Aristocrats," to make his specialties better known. It offered a good description to retailers and was, in fact, the only reference for many of these scarce items.

One of the basic aims of the specialty program was to prove that the California climate was suited to a much wider variety of plants than had commercially been grown before. Mr. Clarke has since shown that many good plants from other parts of the world needed only to be introduced to become popular. In the interests of this goal he went to Europe in 1938. In England he found amateurs had good luck with many things no one ever tried over here.

For example, Mr. Clarke saw the *Embothrium coccineum*, Chilean fire bush, a native of Chile, growing as high as thirty-five or forty feet

in England. He found that, by treatment to counteract the usual highly alkaline California soil, it became a rapid grower here, and it has since won wide acclaim. Other introductions include the *Osmanthus delavayi*, *Viburnum burkwoodii*, *Pieris forrestii* and the outstanding conifer introduction of the past fifteen years, *Chamaecyparis lawsoniana ellwoodii*.

Some of his new specialties he enjoyed tagging with such simple titles as *Pyracantha San Jose*, *Photinia serrulata Nova* and *Magnolia soulangeana San Jose*.

Walter Clarke is equally well known for his originations, including *Raphiolepis indica rosea* and Clarke's Giant and Esther Staley lilacs. The latter two are among the plants on which ten patents have been granted to Mr. Clarke to date. In all, he has patents on seven lilacs and three flowering quinces, some of which are not yet on the market.

W. B. Clarke & Co., or the Clarke Nursery as it is often called, are an example of good things in a small package. On about 100 acres the nursery now specializes in lilacs, flowering quinces, flowering fruit trees, magnolias and wistarias, the remainder largely things out of the ordinary.

The Clarke Nursery has little ordinary stock and goes in heavily for grafted items. From three lath houses, 72x400, 72x250 and 72x250, come great quantities of material. One of these lath houses is now the

site for the annual lilac show which the nursery has presented for twenty years. The public and trade alike gather for this spectacle on the only Sunday of the year on which the nursery is open.

Year after year the nursery has put its money back into plants rather than change its buildings. The lath house for pot-grown plants is the same one that was elected in 1916. Last fall, however, work was begun on a new office. The attractive modern building is now complete.

Mr. Clarke is keeping his fingers crossed in the hope that the bees which hung around the old office will find the new one to their liking, as the nursery does almost no hand-pollination—the bees have always taken care of the job. From his association with Luther Burbank, Mr. Clarke became an advocate of "mass production" plant breeding as advocated by Burbank.

James F. Clarke joined his father as a partner in 1925. He handles the production, or everything outside the office. He is also following his father as president of the Central California Nurserymen's Association. Walter Clarke was one of the founders of that organization, which is the oldest and largest of its kind in California.

In charge of the office is Walter Borchers, who joined in a partnership with Mr. Clarke and his son in 1933. They felt that if they could get along on their pack trips into the Sierra they should be able to get along on the ground. Proof of this is the continued close association both in and out of business. The pack trips for fishing and exploring have continued to the present day.

In charge of sales is Rudy Anninger, who has been with Clarke's for thirty years. In addition to the 100 acres of the Clarke Nursery proper, there is another 140 acres on which Mr. Anninger grows all the rosebushes the firm supplies for gardens and greenhouses, while the nursery grows its tree roses itself.

Mr. Anninger travels in the west and James Clarke in the east, booking most of the nursery's output far in advance. More than half goes east of the Mississippi river. There are usually about five persons working in the office. Outside there are about twenty-five in summer and forty in winter.

Keeping away from the beaten path has paid off for Mr. Clarke, [Continued on page 48.]



New Offices of W. B. Clarke & Co., San Jose, Calif.



# Pointers on Propagation

By James S. Wells

## THIS QUESTION OF SAWDUST.

It would seem that my remarks on the possibilities of using sawdust for ericaceous crops have met with considerable interest. We realize, as Mr. Harmon pointed out in his letter in the August 15 issue of the *American Nurseryman*, that the use of sawdust is nothing new. In fact, the further we dig into the matter, the clearer it becomes that sawdust has been used and used successfully by a great many growers for some years. It seems extraordinary, therefore, that many persons are still doubtful as to its value.

The whole problem, I believe, lies in the fact that sawdust requires special treatment to make it of value to the grower, and it is a lack of understanding of this special treatment that causes most people to fail. Sawdust is not a food. Sawdust cannot supply, at least in the beginning, anything that plants may need to grow. In fact, it may take out of the ground vitally necessary nitrogen and thus starve the plants rather than feed them. Mr. Harmon stated that his firm has used sawdust in quantity in conjunction with manure. This undoubtedly accounts for his firm's success with sawdust, for the necessary nitrogen was supplied in abundance by using manure for breaking down the sawdust in the soil.

What then is sawdust and what good can it do? Sawdust is essentially a soil conditioner. It opens up a heavy soil and tends to hold together a light soil in much the same manner as does peat. Eventually, after a considerable time, the cellulose and lignin in the sawdust break down and provide moderate quantities of plant food, again in much the same way as does peat. Sawdust should be considered, therefore, first as an inexpensive and readily available soil conditioner and second as a first-class mulch, particularly for ericaceous plant material. When sawdust is used as a mulch, the necessity for supplying nitrogen is not so acute, because the plant is established with a full ball of roots in good soil from which it can normally attain adequate supplies of plant food. The sawdust serves as a means of blotting out weeds, which it does successfully indeed, and it controls

evaporation of water from the surface of the soil, providing moist conditions for the fine hairlike roots which are typical of most ericaceous crop plants.

We are a little further along now in our use of sawdust and can more accurately assess the results we are obtaining from its use. The accompanying illustrations may serve to show this more clearly.

In the first one appears a block of *Rhododendron roseum elegans*, one-year own-root cuttings. These plants were rooted in October, 1949, and were planted out in these beds at the end of March, 1950. The soil in which they had been planted was treated in July, 1949, with six inches of sawdust, and this was plowed and mixed into the soil throughout the remainder of the season. Early in the spring the area was dressed with a fairly good dose of chicken manure; finally the beds were made up by adding a small quantity of peat, and the plants were lined out. We think the development speaks for itself.

The second illustration, at the top of the opposite page, shows a block of larger *rhododendrons* which were heavily mulched with sawdust after being planted in normal soil to which had been added a fair amount of peat. Early this spring the whole block showed signs of nitrogen star-

vation, for the leaves on almost all the plants were yellow. The intensity varied from a pale green to a bright chrome-yellow. As soon as possible this spring, we applied one light dressing of sulphate of ammonia, about 350 pounds to the acre. This was put on by hand and immediately watered into the soil. Within two weeks the plants had begun to change color. Within three weeks the leaves were a healthy green, and since that time the plants have made two sets of clean, vigorous growth which showed no signs of nitrogen deficiency or chlorosis. We have isolated plants in the block which are chlorotic, but their condition is caused by an iron deficiency rather than a lack of nitrogen.

The third illustration, at the bottom of the opposite page, shows *Rhododendron ponticum* growing for the second year in beds which were made up with two-thirds peat and one-third sawdust. Once again we believe the condition of the plants can speak for itself.

To summarize, we think that sawdust can be used successfully by almost any grower if he knows how to use it. If it is used either as fresh, green sawdust or as older, rotted sawdust, a nitrogen deficiency will almost certainly appear. So the grower must be ready to supply the necessary nitrogen, not only to feed his plants, but also to feed the bacteria which are breaking down the sawdust; therefore, it will undoubtedly be necessary to apply larger quantities of nitrogen than would be required for the plants alone.



Rhododendron Cuttings in Soil in Which Sawdust Had Been Plowed the Preceding July.



### INCOME TAX INCREASES.

Congress approved a tax bill in time to increase withholding taxes beginning October 1. Rates were put up twenty per cent—from fifteen to eighteen per cent—thus restoring World War II withholding rates.

Corporation taxes also were increased. Top rates will be increased from thirty-eight to forty-five per cent, and one-half of 1950 corporate incomes will be subject to the higher rate.

Congress was committed by the bill to enact excess profits tax legislation when it returns at the end of November after a two months' recess over election time. An excess profits tax has been a matter of considerable debate and difference of opinion, and what the final measure will be is not predicted.

The internal revenue bureau had anticipated the action of Congress and prepared forms and instruction booklets to be sent out to employers on the subject of the withholding tax as soon as the President had signed the tax bill.

Over-all personal income taxes will be increased an average of seventeen per cent annually. This is expected to add \$2,745,000,000 a year to the federal tax income. The increased corporation taxes are expected to yield \$1,500,000,000 a year.

In addition to personal income and corporation taxes, the new law added some excise taxes and closed various loopholes in the present tax laws, by which federal tax income is expected to be the gainer by \$260,000,000.

### AIR PARCEL-POST RAISE.

Air parcel-post rates will be raised November 1, according to Postmaster General Donaldson. Rates for mailing a parcel weighing one pound or less will not be changed except for the first two zones, where the rate will be increased from 55 cents to 60 cents. The largest increases will be on parcels weighing more than a pound. In this category, the increases over the present rate will range from 15 cents in the eighth zone to 44 cents in the first and second zones. The domestic air-mail rate of 6 cents an ounce up to eight ounces will not be changed.

The rate in the eighth zone, which includes Hawaii, Alaska, Guam, the Canal Zone and overseas army and fleet post offices, will be 80 cents for the first pound and 80 cents for each additional pound or fraction of a pound.



Stock Plants, Two Years in Field, Growing under Heavy Mulch of Raw, Fresh Sawdust.

The new rate schedule is as follows: Zones 1, 2 and 3, first pound over eight ounces, 60 cents, and additional pounds, 48 cents; zone 4, first pound over eight ounces, 65 cents, and additional pounds, 50 cents; zone 5, first pound over 8 ounces, 70 cents, and additional pounds, 56 cents; zone 6, first pound over eight ounces, 75 cents, and additional pounds, 64 cents; zone 7, first pound over eight ounces, 75 cents, and additional pounds, 72 cents, and zone 8, first pound over eight ounces, 80 cents, and additional pounds, 80 cents.

Parcels weighing less than ten pounds but exceeding eighty-four inches in length and girth combined shall be subject to the 10-pound rate, which is \$4.92 in zones 1, 2 and 3, \$5.15 in zone 4, \$5.75 in zone 5, \$6.51 in zone 6, \$7.23 in zone 7 and \$8 in zone 8.

The Post Office Department reports that surveys show that approximately fifty per cent of the volume of air parcel post weighs one pound or less and that more than seventy-five per cent consists of packages weighing less than two pounds.



Rhododendron Ponticum Growing in Beds of One-third Sawdust and Two-thirds Peat.

# Landscape Plant Lists for Southeast

In his address on the landscaping of housing units, before the convention of the Southern Nurserymen's Association last month, Eugene R. Martini, landscape architect, Atlanta, Ga., concluded with a brief reference to the plants suitable for planting home grounds in the southeastern states. His address, published in full in the September 15 issue of the American Nurseryman, contained much practical information for those engaged in the planting operations discussed.

His extempore remarks about the planting lists were brief, because of the lateness of the hour, and he left a set of lists for the record and for reference by those nurserymen and landscape contractors who might be interested in them. He remarked that, too frequently, landscape architects selected plants without regard for their availability, particularly in the area in which they were to be used. On the other hand, the use of certain varieties, because they happen to be plentiful, leads to sameness of appearance and monotony in design.

Lists such as he presented have rarely been compiled for southeastern conditions, especially of late. Because of the difference in the availability, as well as in growth and thriftiness of plants according to the latitude and character of the soil, he divided up the area treated into several sections. For each section he prepared a list.

Inasmuch as these lists not only provide a guide for those concerned in planting in the southeastern states, but also afford suggestions to propagators and growers there, the lists are published in full on this and following pages of the American Nurseryman. Readers in the southeast can study the list applicable to their own area of operation, for such help as may be derived.

## CENTRAL AND SOUTH FLORIDA. VINES.

### For Lattices and Fences.

Allamanda cathartica hendersoni, Henderson allamanda.  
Bignonia grandiflora, Chinese trumpet creeper.  
Bignonia speciosa, painted trumpet.  
Bougainvillea spectabilis, bougainvillea.  
Clerodendron thomsonae, Thomson glory bower.  
Gelsemium sempervirens, Carolina jessamine.  
Thunbergia grandiflora, Bengal clockvine.  
Trachelospermum jasminoides, star jasmine.

### For Masonry Walls.

Bignonia, cross vine.  
Bignonia radicans, trumpet creeper.  
Euonymus radicans acutus, sharpleaf winter creeper.  
Euonymus radicans vegetus, bigleaf winter creeper.  
Ficus pumila (repens), climbing fig.

### GROUND COVERS.

Gelsemium sempervirens, Carolina jessamine.  
Hedera helix, English ivy.  
Hypericum, in variety, periwinkle.  
Lonicer japonica halliana, Hall's Japanese honeysuckle.  
Osterdamia matrella (zoysia), Manila grass.  
Phlox (in variety), perennial phlox.  
Plumbago capensis, leadwort.

### SHRUBS.

Abelia grandiflora, glossy abelia.  
Acalypha wilkesiana, painted copperleaf.  
Ardisia crenulata, coral ardisia.  
Bougainvillea spectabilis (clipped), bougainvillea.  
Cestrum elegans, purple cestrum.  
Chalcas exotica, orange jasmine.

Codiaeum variegatum in variety, croton.  
Duranta plumieri, creeping skyflower.  
Eugenia uniflora, Surniam cherry.  
Gardenia jasminoides (florida, in variety), Cape jasmine.  
Hibiscus rosa-sinensis, in variety.  
Ixora coccinea, flame-of-the-woods.  
Jasminum simplicifolium, wax jasmine.  
Lagerstroemia indica, in variety, crape myrtle.  
Ligustrum sinense, Chinese privet.  
Ligustrum japonicum, Japanese privet.  
Malpighia coccigera, dwarf holly.  
Nerium oleander, in variety, oleander.  
Pittosporum tobira, pittosporum.  
Plumbago capensis, leadwort.  
Podocarpus macrophyllus, podocarpus.  
Poinsettia pulcherrima, in variety, poinsettia.  
Punica granatum nana, dwarf pomegranate.  
Thryallis glauca, gold shower thryallis.  
Thunbergia erecta, bush clockvine.  
Trachelospermum jasminoides, star jasmine.  
Triphasia trifolia, limeberry.

### TREES.

Bauhinia variegata, and other varieties, Buddhist bauhinia.

[Continued on page 16.]

## LINING-OUT STOCK

### For Fall Delivery

	Per 100
Cornus Florida, 1-yr. seedlings, 10 to 15 ins.	\$ 5.00
Cotoneaster Divaricata, 1-yr. tr., 12 to 18 ins.	20.00
Juniperus Hill's Pyramidiformis, 8 to 12 ins.	65.00
Juniperus Keteleeri, 1-yr. grafts, 8 to 12 ins.	65.00
Juniperus Columnaris, 1-yr. grafts, 8 to 12 ins.	65.00
Juniperus Meyeri, 1-yr. grafts, 8 to 12 ins.	65.00
All above Juniper are grafted on Juniperus Virginiana Understock.	
Juniperus Hibernica (Irish), 2-yr. tr., 10 to 15 ins.	20.00
Juniperus Meyeri, 1-yr. tr. cuttings, 5 to 8 ins.	30.00
Magnolia Lonnei, 1-yr. grafts.	100.00
Magnolia Soulangeana, 1-yr. tr. cuttings, 5 to 8 ins.	60.00
Magnolia Soulangeana, 2-yr. tr. cuttings, 10 to 18 ins.	75.00
Taxus Brevifolia, 4-yr., twice tr., 6 to 10 ins.	55.00
Taxus Hicksi, 4-yr., twice tr., 10 to 15 ins.	45.00
Thuja Pyramidalis, 1-yr. grafts, 10 to 15 ins.	50.00
Thuja Pyramidalis, 2-yr. grafts, 18 to 24 ins.	75.00
Viburnum Burkwoodi, heavy 1-yr. tr. cuttings.	60.00
Viburnum Carlesi, 1-yr. grafts.	65.00
Vitex Macrophylla (true), 1-yr. tr.	25.00
Wisteria Rosea, 2-yr. grafts.	50.00

## C. HOOGENDOORN

TURNER ROAD

NEWPORT, RHODE ISLAND

## FRUIT AND NUT TREES

	JUMBO SIZES	Per 10	Per 100
Apple, 3-yr., 3/4 to 1-in. cal.		\$ 6.50	\$ 55.00
Large assortment of varieties.			
Large Montmorency Cherry, 2-yr., 3/4 to 1-in. cal.		12.50	110.00
Plum, 2-yr., 1 to 1 1/2-in. cal.		16.00	...
Abundance, Burbank, Red June and Wickson.			
Pear, 3/4 to 1-in. cal., 6 to 7 ft.		10.00	85.00
Bartlett and Clapp's Favorite.			
Pear, Kieffer, 1 to 1 1/2-in., 7 to 8 ft.		11.00	95.00
3/4 to 1-in., 6 to 7 ft.		7.00	65.00
Black Walnut, 6 to 8 ft.		12.50	115.00
8 to 10 ft.		16.50	150.00
Papershell Pecan, 4 to 6 ft.		12.50	115.00
6 to 7 ft.		16.00	145.00
American Filbert, 4 to 5 ft.		12.50	...
6 to 7 ft.		15.00	...

Write for Wholesale Price List on other sizes and varieties of Fruit Trees.

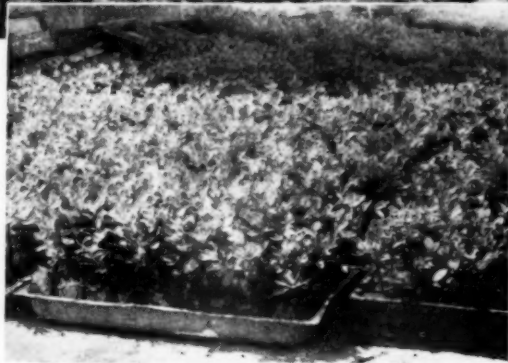
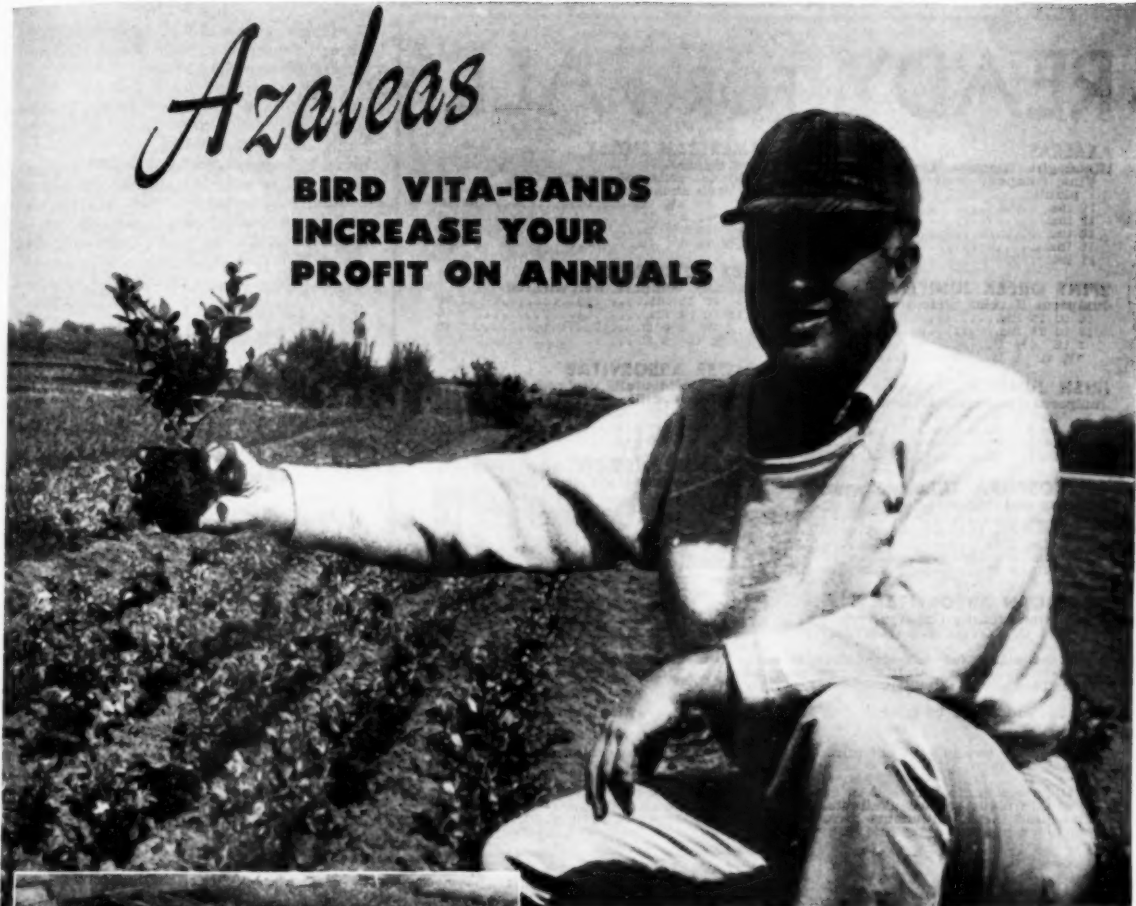
Nut Trees and Ornamental Plant Material.

WAYNESBORO NURSERIES

Waynesboro, Virginia

# Azaleas

## BIRD VITA-BANDS INCREASE YOUR PROFIT ON ANNUALS



*Vita-Bands shorten work load, increase efficiency in handling of annuals because they conserve space and are easy to use. These azalea plants demonstrate vigorous early growth afforded by Vita-Bands.*

*Protection given rootball is shown by firm rootball and healthy plant. Vita-Bands aid in promoting vigorous, healthy growth; pay off in higher net profits.*

The story is important to azalea growers: growing tests have proved that Bird Vita-Bands lower labor costs by making handling of azaleas from seedling to sale more efficient and easy... and produce azaleas that are healthier and more easily saleable.

Vita-Band advantages have been proved on many crops: they protect tender feeder roots, allow growth cycle to continue. Vita-Bands are nutrient-treated, aid vigorous healthy growth. They are easily set up, during slack time require minimum labor. For example, in transplanting azaleas: they can be moved whole flats at a time. Individual plants are easily removed from the flats for quick transplanting without shock. No expensive double-handling of heavy pots.

Higher net profits result because crop handling is more economical, plants are healthier, more easily saleable. Order from supplier's catalogue, or write us direct. Bird & Son, inc., Dept. AN-2, East Walpole, Massachusetts.



**VITA-BAND 40** designed for long growing periods usually up to 40 weeks. Extra heavy construction for durability. Impregnated with balanced plant food... your observation will determine need of additional feeding. We recommend removing Band when transplanting.



**VITA-BAND 10** for short growing periods. Will usually contain root growth up to approximately 8 to 10 weeks. Nutrient-treated with quickly available plant food... your judgment determines need for additional feeding. Especially good for annuals and vegetables.

**BIRD  
& SON inc.**  
Established 1895

PLANT BANDS	PRICE PER 1000—SIZES IN INCHES							
	1½ x 1½ x 2½	1½ x 1½ x 2½	2 x 2 x 2½	2 x 2 x 3	2½ x 2½ x 3	3 x 3 x 3	4 x 4 x 3	4 x 4 x 4
Sold in units of 1000 only								
VITA-BAND 40	—	5.40	5.95	6.50	8.00	9.25	—	—
VITA-BAND 10	3.30	3.55	4.00	4.55	5.30	6.15	8.05	10.15

*Prices higher in Rocky Mtn., Pacific Coast, Texas and Gulf State areas.*

**BIRD VITA-BANDS • TOM THUMB FLATS • VITA-POTS • RED POTS**



# READY FOR FALL

## AZALEAS

**Hinodegiri, Amoena, Ledifolia Alba.**  
Fine, compact, well sheared, healthy plants. Each

10 ins.	\$1.25
12 ins.	1.50
15 ins.	1.75
18 ins.	2.00
21 ins.	2.25

## SPINY GREEK JUNIPER

**Juniperus Excelsa Stricta.**

15 to 18 ins.	1.75
18 to 24 ins.	2.00
2 to 2 1/2 ft.	2.25
2 1/2 to 3 ft.	2.75

## IRISH JUNIPER

**Juniperus Communis Hibernica.**

2 to 2 1/2 ft.	1.50
2 1/2 to 3 ft.	2.00
3 to 3 1/2 ft.	2.50
3 1/2 to 4 ft.	3.00

## RETINOSPORA (Chamaecyparis)

**Plumosa and Aurea.**

18 to 24 ins.	1.50
2 to 2 1/2 ft.	1.75
2 1/2 to 3 ft.	2.25
3 to 3 1/2 ft.	2.75
3 1/2 to 4 ft.	3.50

## AMERICAN ARBORVITAE

**Thuja Occidentalis (Heavy).**

4 to 5 ft.	4.00
------------	------

These plants are not stragglers or culls from old fields, but are nice, clean, beetle-free, compact, well sheared, young stock, grown by us for the wholesale trade. They are top-quality.

Your order will be freshly dug and balled in burlap. We maintain no storage cellars.

We invite you to visit our nursery for an inspection and comparison with other stock.

All prices quoted are F.O.B. our nursery. Terms are cash. Truck, C. & O. and N. Y. C. freight service available. We strongly advise truckload or carload lots. L.T.L. and L.C.L. shipments have been unsatisfactory and such should move by your truck to avoid delay and injury.

# CONNER & AMOS, Inc.

Office:  
129 Dutch Road  
CHARLESTON, W. VA.  
Phone: Charleston 3-1012

Nursery:  
W. Va. Route 17,  
6 miles east of  
Winfield, W. Va.

## AMERICAN HOLLY

**Ilex Opaca.**  
No sex selection. Compact, well sheared. Each

2 to 2 1/2 ft.	\$2.50
2 1/2 to 3 ft.	3.00
3 to 3 1/2 ft.	3.50
3 1/2 to 4 ft.	4.00

## ILEX ROTUNDIFOLIA

**Heavy, compact, well sheared.**

15 to 18 ins.	2.00
18 to 24 ins.	2.40
2 to 2 1/2 ft.	2.80
2 1/2 to 3 ft.	3.25

## GLOBE ARBORVITAE

**Thuja Occidentalis Globosa Woodwardi.**

12 to 15 ins.	1.25
15 to 18 ins.	1.50
18 to 21 ins.	1.75

## PYRAMID ARBORVITAE

**Thuja Occidentalis Pyramidalis.**

2 to 2 1/2 ft.	2.00
2 1/2 to 3 ft.	2.25
3 to 3 1/2 ft.	2.75
3 1/2 to 4 ft.	3.00

## CANADIAN HEMLOCK

**Tsuga Canadensis.**

18 to 24 ins.	2.00
2 to 2 1/2 ft.	2.50
2 1/2 to 3 ft.	2.75
3 to 3 1/2 ft.	3.00

Bucida buceras, black olive.  
Casuarina equisetifolia, Australian pine.  
Cinnamomum camphora, camphor tree.  
Coccolobis floridana, pigeon plum.  
Coccolobis uvifera, sea grape.  
Cocos plumosa, and other palms, coconut palm.

Ficus altissima, lofty fig.  
Ficus benjamina, weeping laurel.  
Ficus retusa (nitida), Indian laurel.  
Lysiloma bahamensis, wild tamarind.  
Melaleuca leucadendron, cajuput tree.  
Sabal palmetto, and other dwarf palms, cabbage palmetto.

## NORTH AND WEST FLORIDA, SOUTHERN PORTIONS OF MISSISSIPPI, ALABAMA, GEORGIA AND SOUTH CAROLINA.

**VINES**—Broad-leaved Evergreens.  
Bignonia grandiflora, Chinese trumpet creeper.  
Euonymus radicans vegetus, bigleaf winter creeper.  
Gelsemium sempervirens, Carolina jessamine.  
Hedera helix, in varieties, English ivy.

**VINES**—Deciduous.  
Celastrus orbiculata, Oriental bittersweet.  
Clematis paniculata, sweet autumn clematis.  
Wistaria sinensis, Chinese wistaria.

**GROUND COVERS**—Evergreen.  
Euonymus radicans vegetus, bigleaf winter creeper.  
Gelsemium sempervirens, Carolina jessamine.  
Hedera helix, English ivy.  
Hypericum calycinum, Aaron's-Beard St. John's-wort.  
Liriope muscari, liriopse.  
Vinca major, bigleaf periwinkle.  
Vinca minor, small-leaved periwinkle.

**GROUND COVERS**—Deciduous.  
Ampelopsis quinquefolia, Virginia creeper.  
Hypericum buckleyi, mountain St. John's-wort.

Rosa, in variety, low roses.  
**SHRUBS**—Broad-leaved Evergreen.  
One to Three Feet.  
Azalea obtusa japonica, in variety, Kurume azalea.  
Buxus sempervirens, in variety.  
Ilex crenata convexa, Japanese holly.  
Mahonia repens, creeping holly-grape.

Three to Five Feet.  
Abelia grandiflora, glossy abelia.  
Azalea indica, in variety, Indian azalea.  
Berberis julianae, wintergreen barberry.  
Buxus sempervirens, in variety.  
Camellia japonica, in variety, camellia.  
Euonymus kiautschovicus (patens).  
Gardenia jasminoides florida, Cape jessamine.

Ilex crenata rotundifolia, round-leaved Japanese holly.  
Jasminum floridum, spreading jasmine.  
Mahonia aquifolium, Oregon grape.  
Nandina domestica, sacred bamboo.

Five to Seven Feet.  
Cleyera japonica, Japan cleyera.  
Cotoneaster francheti, Franchet cotoneaster.  
Ilex crenata microphylla, little-leaved Japanese holly.  
Ilex cornuta burfordi, Burford Chinese holly.  
Pyracantha coccinea pauciflora, little flower fire thorn.

Seven to Nine Feet.  
Ilex crenata, in variety, Japanese holly.  
Ilex cornuta, in variety, Chinese holly.

# 100,000

## LINING-OUT TAXUS

3, 4, 5-yr., ready for field rows.

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Red-flowering Dogwood Per 100  
6 to 10 ins., grafts (1-yr.) \$60.00

Canadian Hemlock  
5 to 12 ins., trans. (sheared) 17.50

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8 to 15 ins., trans. (own-root) 75.00

Send for new Fall List

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Photinia glabra, Japanese photinia.  
 Pittosporum tobira, pittosporum.  
 Pyracantha coccinea lalandi, Laland fire  
 thorn.  
 Ligustrum japonicum, Japanese privet.  
 Osmanthus fortunei, Fortune's osmanthus.

#### Nine to Twenty-five Feet.

Aucuba japonica, Japanese aucuba.  
 Elaeagnus pungens, in variety, oleaster.  
 Eriobotrya japonica, loquat.  
 Feijoa sellowiana, pineapple guava.  
 Ilex aquifolium, English holly.  
 Ilex opaca, American holly.  
 Ilex vomitoria, yaupon.  
 Ligustrum lucidum, glossy privet.  
 Magnolia virginiana, sweet bay magnolia.  
 Prunus caroliniana, Carolina cherry  
 laurel.

#### SMALL TREES.

Acer palmatum, Japanese maple.  
 Albizzia julibrissin, mimosa.  
 Cercis canadensis, eastern redbud.  
 Cornus florida, flowering dogwood.  
 Cornus florida rubra, red-flowering dog-  
 wood.  
 Magnolia soulangeana, saucer magnolia.  
 Magnolia stellata, star magnolia.  
 Malus, in species, flowering crab.

#### SHADE and STREET TREES.

Acer saccharinum, sugar maple.  
 Cedrus deodara, deodar cedar.  
 Fraxinus americana, white ash.  
 Ginkgo biloba, maidenhair tree.  
 Liquidambar styraciflua, American sweet  
 gum.  
 Liriodendron tulipifera, tulip tree.  
 Platanus occidentalis, sycamore.  
 Quercus coccinea, scarlet oak.  
 Quercus nigra, water oak.  
 Quercus paulstris, pin oak.  
 Quercus phellos, willow oak.  
 Quercus virginiana, live oak.  
 Tilia americana, American linden.

#### DECIDUOUS SHRUBS.

##### One to Two Feet.

Hypericum buckleyi, mountain St.-John's-  
 wort.  
 Rosa rugosa Max Graf, Max Graf rose.  
 Viburnum opulus nanum, dwarf cranberry  
 bush.

##### Two to Three Feet.

Chaenomeles japonica, dwarf flowering  
 quince.  
 Hypericum moserianum, goldflower.  
 Hypericum patulum henryi, Henry St.-  
 John's-wort.  
 Spiraea bumalda Anthony Waterer.

##### Three to Five Feet.

Azalea mollis, Chinese azalea.  
 Deutzia gracilis, Japanese snowflower.  
 Hydrangea quercifolia, oakleaf hydran-  
 gea.  
 Hydrangea opuloides, in variety, bigleaf  
 hydrangea.  
 Philadelphus lemoinei, Lemoine mock  
 orange.  
 Spiraea prunifolia, bridal wreath.  
 Spiraea reevesiana (cantonensis), Reeves'  
 spiraea.  
 Azalea calendulacea, orange flame azalea.  
 Calycanthus floridus, common sweet  
 shrub.  
 Deutzia scabra, fuzzy deutzia.  
 Euonymus alatus, winged euonymus.  
 Forsythia intermedia spectabilis.  
 Lonicera fragrantissima, winter honey-  
 suckle.  
 Philadelphus virginialis, original mock  
 orange.

##### Seven to Twelve Feet.

Hibiscus syriacus, shrubby althea.  
 Ligustrum amurense, Amur river privet.  
 Lagerstroemia indica, common crape  
 myrtle.

[Continued on page 58.]



## A FEW SPECIALTIES

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### FRUITS

Apple	Per 100	Per 1000
In full assortment.		
11/16-in. and up....	\$ 45.00	\$400.00
9/16 to 11/16-in....	35.00	300.00
Plum, American, and Hardy Cherry Hybrids		
11/16-in. and up....	60.00	550.00
9/16 to 11/16-in....	45.00	400.00
Cherry, Hansen Bush		
18 to 24 ins., tr....	20.00	160.00
2 to 3 ft., tr....	25.00	220.00
3 to 4 ft., tr....	35.00	...

### ORNAMENTAL TREES

Flowering Crab		
Eleyi, Flame, Hops, Red Silver		
3 to 4 ft....	45.00	400.00
4 to 5 ft....	60.00	550.00
5 to 6 ft....	80.00	...
European Mountain Ash		
4 to 5 ft....	70.00	650.00
5 to 6 ft....	100.00	900.00
6 to 8 ft....	150.00	...
Bolleana Poplar		
6 to 8 ft....	85.00	800.00
8 to 10 ft....	120.00	...
Prunus Cistena		
2 to 3 ft....	60.00	...
3 to 4 ft....	75.00	...
Prunus Newport		
3 to 4 ft....	65.00	600.00
4 to 5 ft....	80.00	...
Prunus Triloba		
2 to 3 ft....	60.00	550.00
3 to 4 ft....	80.00	...
Willow, Niobe Weeping		
6 to 8 ft....	90.00	...
8 to 10 ft....	110.00	...
Willow, Wisconsin Weeping		
6 to 8 ft....	90.00	...
8 to 10 ft....	110.00	...

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American Dark Green		
Arborvitae	20.00	180.00
Globe Jewell		
Arborvitae	20.00	180.00
Jewell Pyramidal		
Arborvitae	20.00	180.00
Juniperus Andorra	20.00	180.00
Juniperus Glauca Hetzi	22.00	200.00
Juniperus Pfitzeriana	22.00	200.00
Juniperus Sabina	20.00	180.00

### TRANSPLANTS and SEEDLINGS

Juniperus Scopulorum		
6 to 10 ins., sdgls....	6.50	60.00
Juniperus Virginiana		
8 to 12 ins., sdgls....	7.00	65.00
12 to 18 ins., TT....	25.00	225.00
Pine, Mugho		
6 to 9 ins., sdgls....	5.50	50.00
2 to 4 ins., TT....	10.00	90.00
Pine, Austrian		
6 to 9 ins., sdgls....	6.00	55.00
Pine, Scotch		
9 to 12 ins., sdgls....	7.00	65.00
9 to 12 ins., TT....	15.00	140.00

### ORNAMENTAL SHRUBS

Barberry, Thunbergi	Per 100	Per 1000
15 to 18 ins....	\$18.00	\$150.00
18 to 24 ins....	22.00	180.00
Barberry, Red-leaved		
15 to 18 ins....	28.00	250.00
18 to 24 ins....	35.00	300.00
Buddleia, in variety		
No. 1	25.00	200.00
Caryopteris Blue Mist		
12 to 18 ins....	20.00	160.00
Cotoneaster Divericata		
2 to 3 ft....	50.00	450.00
Deutzia Gracilis		
12 to 15 ins....	30.00	250.00
Honeysuckle, Zabeli		
3 to 4 ft....	35.00	300.00
4 to 5 ft....	45.00	...
Lilac, Persian Purple		
2 to 3 ft....	30.00	250.00
3 to 4 ft....	40.00	350.00
Lilac, Common Purple		
2 to 3 ft....	30.00	250.00
3 to 4 ft....	40.00	...
Philadelphus, Minn. Snowflake		
3 to 4 ft....	70.00	650.00
Ninebark, Dwarf		
2 to 3 ft....	28.00	250.00
3 to 4 ft....	40.00	...
Privet, Lodense		
9 to 12 ins....	12.00	110.00
Tamarix Hispida		
2 to 3 ft....	28.00	250.00
3 to 4 ft....	35.00	300.00
Common Snowball		
18 to 24 ins....	35.00	300.00
2 to 3 ft....	50.00	...

### TREE SEEDLINGS

Ash, Green		
2 to 3 ft....	3.00	25.00
3 to 4 ft....	4.50	40.00
4 to 5 ft....	6.50	60.00
Caragana Arborescens		
18 to 24 ins....	4.00	35.00
2 to 3 ft....	6.00	50.00
Mountain Ash, European		
12 to 18 ins....	7.50	70.00
18 to 24 ins....	10.00	90.00
2 to 3 ft....	15.00	135.00

### VINES

Honeysuckle, Heckrotti		
2-year, No. 1....	35.00	300.00
Honeysuckle, Tellmanniana		
2-year, No. 1....	35.00	300.00
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2-year, No. 1....	30.00	...

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Bleeding Heart, Old-fashioned		
3 to 5-eye....	30.00	280.00
Gypsophila Bristol Fairy		
No. 1	35.00	...
Lythrum Morden Hardy		
Pink		
No. 1, field-grown...	15.00	120.00

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# Plant Notes Here and There

By C. W. Wood

A New York reader who has had trouble with winterkilling of calochortus asks if it is possible to grow it in the east.

The greatest drawback to calochortus culture in northern Michigan, and I suspect throughout the east, is the plant's habit of making top growth as soon as the fall rains are fairly well under way, for the growths are not able to stand our severe winters. Dormant corms of most kinds are hardy here. *C. flavus* and *C. catalinae* are the only exceptions that I now recall. So all one has to do is to arrange a schedule under which the plants make no fall growth. Perhaps the best way to accomplish this is to dig the corms as soon as the foliage ripens and not replant them until just before winter. The exact time for planting is not so important as it is to dig them late enough so they have no chance to make top growth. I recall that one fall, years ago, we waited a little too long, and winter arrived before the corms were taken care of, but they were planted during a mild spell in late December, with no apparent damage. If it is possible to grow calochortuses without annual digging in the east, I should expect it to be only where they will receive a thorough baking during the summer, with the least possible moisture during their dormant period, especially from September until the ground freezes. Let no one interested in the plants be discouraged by the thought of annual digging and replanting, for it is a slight chore, and I know few other plants that give more beauty and pleasure in return for that little attention.

The inquirer did not ask for a resume of the genus, but I cannot let the opportunity pass without saying a few words in its praise, although space will not be taken to extol the virtues of all of the forty or more kinds that are generally available. These range all the way from the 6-inch *C. eurycarpus*, bearing umbels of white flowers, through the stately beauty of *C. vesta*, with lilac-flushed white flowers as much as five inches across, to the dazzling red-orange of the desert mariposa, *C. kennedyi*, and all kinds of intermediate shades and combinations. But it will be necessary for the gardener to make their acquaintance if he is to know how entrancingly beau-

tiful they are; so no more will be said, except to add a bit on culture.

The globe tulips, which include *C. albus* and *C. amabilis*, and the star tulips, such as *C. benthami* and the variable *C. maweanus*, grow best in open shade in my climate, preferably in somewhat light soil, I believe. On the other hand, the giant star tulips, of which *C. apiculatus* is an example; the meadow tulips, including *C. uniflorus*, or *C. lilacinus*, and the true mariposas are, in general, sun lovers.

## Brodiaea Douglasi.

The brodiaeas have been a puzzling group to botanists, as will become apparent when you trace the synonymy of one species which is known to gardeners as the spring starflower and to different botanists

under at least four generic names, including brodiaea, milla, triteleia and leucocoryne. Our present plant has also had at least three names, one being *Triteleia grandiflora*, another *Milla grandiflora* and still another *Brodiaea douglasii*. It seems now to be recognized mainly as the last-named and is so named here.

It is also one of the few plants that have a range away from the family home in the Pacific coast states, the only other exception that I recall being the South American *B. uniflora*. In fact, the books generally give the range of *B. douglasii* as Oregon and Washington, but I have had it from both Idaho and Montana. The material from Idaho, from a collector now deceased, was labeled "fairly high in the mountains." Without that information one would

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### Juniperus Chinensis Columnaris Hetzi

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Wholesale Catalog.

know that plants from either of these states would be hardy in most sections of the country, which is something that cannot be said for all the species.

This brodiaea has no fall foliage to freeze during the winter. Instead, it makes in spring a little tuft of grasslike leaves, out of which grow slender scapes, each bearing an umbel of inch-long, lavender-blue, waxy flowers for a month or more, commencing in May. The floras tell us that the plant grows to two feet in height, but it seldom exceeded fifteen inches here. It is a good thing to plant among low-growing associates that hold their foliage throughout the summer, thereby covering the passing of the brodiaea's leaves when its season is past. This is a plant that seems indifferent to soil as long as it obtains plenty of moisture during its growing season, and it grows well in sun or in light shade. Plant the flat corms about two inches deep, preferably, I think, in a leafy soil. Propagation is from cormels, which are produced after the manner of gladioli, although not so freely.

### Two Native Geraniums.

Most of the geraniums found in local floras of the eastern United States are weeds imported from Europe, with *G. maculatum* being about the best of our eastern species. But it is of two westerners that I would like to speak at the moment. One, *G. incisum*, in its best forms is close to the top of its class in its range. It reaches a stature of from one foot to eighteen inches; the floras speak of it as two feet. It is said to vary much in flower color in its native haunts in the northwest, from where shades of blue, purple, pink and rose are reported. As usually available in cultivated seeds, the species is an unpleasant, muddy purple. And if one bases his judgment of the plant on the run-of-mine seedlings, it would not rate highly. Yet one's patience will be rewarded by a beautiful clear pink or perhaps an even lovelier clear white. Both of these colors are sometimes available in local Oregon and Washington nurseries. When these colors are found, one has really lovely geraniums that are easily satisfied in ordinary garden soil in sun or part shade and that bloom from May well into the summer when not allowed to become too dry.

The statement in one of our standard textbooks that this geranium is "not perfectly hardy in Boston" must have been based upon an isolated

[Continued on page 63.]

## Landscape SHRUBS

### For Fall and Spring Shipment

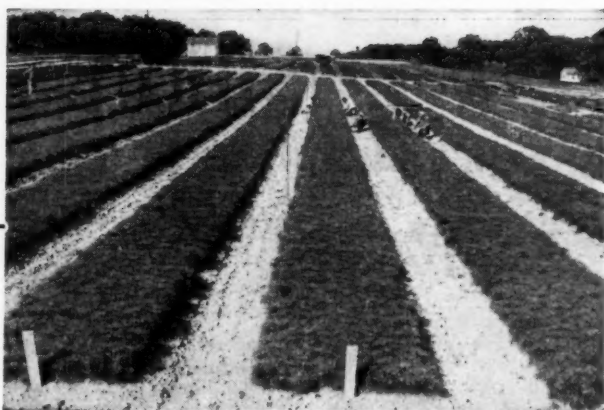
	Per 10	Per 100		Per 10	Per 100
<b>Almond, pink-flowering</b>			<b>Honeysuckle, tatarica rosea</b>		
2 to 3 ft., own root...	\$5.50	\$50.00	3 to 4 ft.....	\$5.50	\$50.00
18 to 24 ins., own root...	4.00	35.00	2 to 3 ft.....	4.50	40.00
12 to 18 ins., own root...	2.90	25.00	18 to 24 ins.....	3.20	28.00
<b>Althaea, red, pink, purple or white.</b>			<b>Honeysuckle, tatarica rubra</b>		
3 to 4 ft.....	4.00	35.00	<b>Wheeling.</b>		
2 to 3 ft.....	2.90	25.00	2 to 3 ft.....	4.50	40.00
18 to 24 ins.....	2.10	18.00	18 to 24 ins.....	3.20	28.00
<b>Barberry mentorensis</b>			<b>Honeysuckle, zabeli</b>		
18 to 24 ins.....	6.00	52.50	2 to 3 ft.....	4.50	40.00
15 to 18 ins.....	5.00	37.50	18 to 24 ins.....	3.20	28.00
12 to 15 ins.....	4.00	30.00	<b>Hydrangea arborescens grandiflora</b>		
<b>Barberry, Red-leaved</b>			2 to 3 ft.....	5.50	50.00
18 to 24 ins.....	4.00	35.00	18 to 24 ins.....	4.50	40.00
15 to 18 ins.....	3.50	30.00	12 to 18 ins.....	3.20	28.00
12 to 15 ins.....	2.90	25.00	<b>Hydrangea Peegee (Meehan strain)</b>		
<b>Barberry, Thunbergi</b>			2 to 3 ft.....	5.50	50.00
18 to 24 ins.....	2.90	25.00	18 to 24 ins.....	4.50	40.00
15 to 18 ins.....	2.40	20.00	12 to 18 ins.....	3.20	28.00
12 to 15 ins.....	1.90	16.00	<b>Lilac, rothomagensis</b>		
<b>Buddleia Charming, pink</b>			3 to 4 ft.....	6.50	60.00
No. 1.....	3.20	28.00	2 to 3 ft.....	5.00	45.00
Medium.....	2.50	22.00	18 to 24 ins.....	4.00	35.00
<b>Buddleia Dubonnet, reddish-purple</b>			<b>Philadelphus coronarius</b>		
No. 1.....	3.20	28.00	3 to 4 ft.....	5.00	45.00
Medium.....	2.50	22.00	2 to 3 ft.....	4.00	35.00
<b>Buddleia Floralart, lavender</b>			18 to 24 ins.....	2.90	25.00
No. 1.....	3.20	28.00	<b>Philadelphus, Minnesota Snowflake.</b>		
Medium.....	2.50	22.00	2 to 3 ft.....	6.50	60.00
<b>Buddleia, red</b>			18 to 24 ins.....	5.50	50.00
No. 1.....	4.00	35.00	<b>Philadelphus virginialis</b>		
Medium.....	2.90	25.00	2 to 3 ft.....	5.50	50.00
<b>Buddleia, white</b>			18 to 24 ins.....	4.50	40.00
No. 1.....	4.00	35.00	<b>Rose Acacia (Grafted stock)</b>		
Medium.....	2.90	25.00	2 to 3 ft.....	4.50	40.00
<b>Cornus alba sibirica</b>			18 to 24 ins.....	3.50	30.00
2 to 3 ft.....	4.50	40.00	<b>Russian Olive</b>		
18 to 24 ins.....	3.20	28.00	3 to 4 ft.....	5.00	45.00
<b>Cornus sanguinea</b>			2 to 3 ft.....	4.00	35.00
2 to 3 ft.....	4.50	40.00	<b>Spiraea Anthony Waterer</b>		
18 to 24 ins.....	3.20	28.00	15 to 18 ins.....	3.50	30.00
<b>Cydonia japonica.</b>			12 to 15 ins.....	2.90	25.00
<b>Flowering Quince.</b>			<b>Spiraea arguta</b>		
2 to 2 1/2 ft.....	4.00	35.00	2 to 2 1/2 ft.....	4.00	35.00
18 to 24 ins.....	3.20	28.00	18 to 24 ins.....	3.50	30.00
12 to 18 ins.....	2.40	20.00	12 to 18 ins.....	2.40	20.00
<b>Deutzia corymbosa</b>			<b>Spiraea froebelii</b>		
2 to 3 ft.....	4.50	40.00	2 to 2 1/2 ft.....	3.50	30.00
18 to 24 ins.....	3.20	28.00	18 to 24 ins.....	2.90	25.00
<b>Deutzia Pride of Rochester</b>			12 to 18 ins.....	2.10	18.00
2 to 3 ft.....	4.00	35.00	<b>Spiraea thunbergi</b>		
18 to 24 ins.....	2.90	25.00	2 to 2 1/2 ft.....	4.00	35.00
<b>Euonymus europaeus</b>			18 to 24 ins.....	3.50	30.00
3 to 4 ft.....	5.50	50.00	12 to 18 ins.....	2.40	20.00
2 to 3 ft.....	4.50	40.00	<b>Spiraea vanhouttei</b>		
<b>Forsythia intermedia spectabilis</b>			3 to 4 ft.....	4.00	35.00
3 to 4 ft.....	5.50	50.00	2 to 3 ft.....		
2 to 3 ft.....	4.50	40.00	(\$220.00 per 1000)...	2.90	25.00
18 to 24 ins.....	3.20	28.00	18 to 24 ins.....		
<b>Forsythia Spring Glory</b>			(\$160.00 per 1000)...	2.10	18.22
3 to 4 ft.....	6.00	55.00	<b>Vitex macrophylla</b>		
2 to 3 ft.....	5.00	45.00	2 to 3 ft.....	4.00	35.00
18 to 24 ins.....	4.00	35.00	18 to 24 ins.....	3.20	28.00
<b>Honeysuckle, fragrantissima</b>			<b>Weigela Eva Rathke</b>		
2 to 3 ft.....	4.50	40.00	18 to 24 ins.....	4.50	40.00
18 to 24 ins.....	3.20	28.00	12 to 18 ins.....	3.20	28.00
<b>Honeysuckle, morrowi</b>			<b>Weigela rosea</b>		
3 to 4 ft.....	5.50	50.00	3 to 4 ft.....	5.50	50.00
2 to 3 ft.....	4.50	40.00	2 to 3 ft.....	4.50	40.00
18 to 24 ins.....	3.20	28.00	18 to 24 ins.....	3.20	28.00

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3-yr. S., 4 to 6 ins.	14.00	70.00	Concolor Fir		
4-yr. T., 6 to 8 ins.	20.00	100.00	3-yr. S., 5 to 10 ins.	15.00	
Norway Spruce			Canadian Hemlock		
2-yr. S., 4 to 8 ins.	6.00	30.00	3-yr. S., 6 to 10 ins.	10.00	50.00
4-yr. S., 8 to 12 ins.	14.00	70.00	3-yr. S., 10 to 15 ins.	12.00	60.00
Colorado Blue Spruce			Juniperus Virginiana		
3-yr. S., 3 to 6 ins.	5.00	25.00	2-yr. S., 4 to 6 ins.	6.00	30.00
4-yr. S., 5 to 8 ins.	7.00	35.00	2-yr. S., 6 to 12 ins.	10.00	50.00

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## AMERICAN NURSERYMAN

### SCIENTISTS EVALUATE ASIATIC CHESTNUTS.

Forty-seven foresters, horticulturists, pathologists, soil technicians, entomologists, game technicians and information specialists visited the George Washington national forest, in Virginia, September 15, to evaluate experiments in growing forest-type Asiatic chestnut trees as possible replacements for America's blight-killed trees. Jesse D. Diller, pathologist, division of forestry pathology, U. S. D. A., Beltsville, Md., was leader of the group. Included were representatives of the United States Department of Agriculture, Department of the Interior, Tennessee Valley Authority, Maryland department of state forests and parks, Maryland extension service, Virginia game and inland fisheries commission, Virginia Polytechnic Institute, University of Maryland, Society of American Foresters and Virginia agricultural experiment station.

The area visited was a 2-acre, 15-year-old planting located on Long mountain, Amherst county, Virginia. The planting is one of twenty-one other similar plots established in 1936, 1938 and 1939 in Massachusetts, New Jersey, Virginia, South Carolina, North Carolina, Indiana, Iowa and Pennsylvania. The plots range in size from one to two acres, aggregate nearly thirty-two acres and include 22,000 trees spaced eight feet apart. Twenty-five kinds of Asiatic chestnuts and Asiatic hybrids are under test. Some of the trees in the test plots originated from seeds coming by camel caravan from beyond the Great Wall of China.

The trees are being grown under forest conditions. The planting sites were originally covered with the better hardwoods. They were clear-cut, planted and fenced against deer and livestock. They occur in six different "plant growth" regions of the United States at elevations ranging from twenty feet to 3,200 feet above sea level. The plots were established on thirteen soil series and on slopes varying from level up to thirty-five per cent. The average annual precipitation ranges from thirty-five to fifty-five inches; the average length of the growing season varies from 152 to 259 days.

The Asiatic chestnuts are being evaluated for their blight resistance, rate of growth, climatic suitability, usefulness as potential timber-producing trees and particularly for their game food value. A few ex-



otics, other than chestnuts, are also being tested.

All test plantings were established by the division of forest pathology, bureau of plant industry, soils and agricultural engineering, in cooperation with the division of timber management, forest service, United States Department of Agriculture. Other cooperators are the bureau of entomology and plant quarantine, the fish and wildlife service, the Virginia game and inland fish commission, the Indian service, the Soil Conservation Service, Purdue University and state forest services.

Studies made at the George Washington national forest Asiatic chestnut climatic test plot indicated that certain Asiatic chestnuts, particularly the Chinese chestnut, *Castanea mollissima*, show great promise of becoming forest trees when grown under forest conditions. The Japanese trees, *C. crenata* and the Henry chinquapin, *C. henryi*, appear to be more susceptible to the blight than the Chinese and certain hybrids. The Japanese trees and certain hybrids appear to bear nuts at a younger age, but the quality of their nuts is inferior to those of the Chinese. Within each species and among the hybrids, certain strains are far superior to others with reference to blight resistance, tree form and rate of growth. The depth of the topsoil had a profound effect on tree form and on rate of growth of the Asiatics under test. It appeared that above average-size planting stock made better height and diameter growth than did below average-size stock.

An interested observer on this Asiatic chestnut field day trip was Clement B. Colonna, agricultural attache, Italian technical delegation, Washington, D. C. The same blight of Oriental origin which has ravaged the chestnut forests of America is now raging through the chestnut forests of Italy, where the nuts are considered a second front against hunger. The resistant strains developed in the United States and the methods of breeding and propagating developed here are being used to start the rehabilitation of Italy's chestnut forests even before the destruction has become complete.

Italian authorities, in cooperation with the United States Department of Agriculture's division of forest pathology, are supplying Italian farmers with blight-resistant seeds, cuttings and trees. Last spring the Italians were sent 3,700 scions, 14,100 trees and 3,800 pounds of seeds.

H. W. D.

## NURSERY STOCK - FALL 1950

1,000,000 transplanted liners; 2, 3 and 4 years in field beds. X indicates times transplanted. Not less than 25 of a variety at the 100 rate. Shipment by express only. Terms: Cash with order and packing free; otherwise, 1/3 deposit with order and balance C.O.D. and packing charged. Japanese beetle certification upon request. Balled material must be picked up at nursery.

### HEAVY FIELD LINERS

	100 rate each
<i>Azalea Ghent</i> hybrids, 12 to 15 ins., XXX, 4-yr.	\$1.00
<i>Azalea kaempferi</i> , 6 to 9 ins., XXX, 3-yr.	.45
<i>Azalea kaempferi</i> , 9 to 12 ins., XXX, 3-yr.	.65
<i>Azalea mollis</i> , 9 to 12 ins., XXX, 3-yr. branched	.65
<i>Calycanthus floridus</i> , 10 to 20 ins., sdlg., 2-yr.	.10
<i>Chamaecyparis lawsoniana pendula</i> , 10 to 15 ins., 2-yr.	.22
<i>Chamaecyparis laws. Triumph D. Baskoop</i> , 10 to 15 ins., 2-yr.	.22
<i>Chamaecyparis laws. allum.</i> , 10 to 15 ins., XX, 2-yr.	.25
<i>Chamaecyparis filifera aurea</i> , 6 to 12 ins., X, 2-yr.	.25
<i>Cytisus scoparius</i> , X, 3-yr.	.20
<i>Cedrus libani</i> , 8 to 12 ins., 2-yr.	.35
<i>Euonymus carrierei</i> , 6 to 12 ins., XX, 2-yr.	.22
<i>Euonymus coloratus</i> , 6 to 12 ins., XX, 2-yr.	.22
<i>Euonymus fortunei erectus</i> , 8 to 15 ins., XX, 2-yr.	.20
<i>Euonymus fortunei erectus</i> , 12 to 18 ins., XXX, 3-yr.	.35
<i>Euonymus vegetus</i> , 8 to 15 ins., XX, 2-yr.	.25
<i>Ilex crenata</i> , 4 to 6 ins., XX, 2-yr.	.22
<i>Ilex crenata</i> , 6 to 8 ins., XX, 2-yr.	.35
<i>Ilex crenata bullata</i> , 6 to 8 ins., XX, 2-yr.	.25
<i>Ilex crenata bullata</i> , 8 to 12 ins., XX, 3-yr.	.45
<i>Ilex glabra</i> , 6 to 10 ins., XX, 2-yr.	.30
<i>Ilex rotundifolia</i> , 6 to 8 ins., XX, 2-yr.	.25
<i>Ilex rotundifolia</i> , 8 to 12 ins., XX, 3-yr.	.45
<i>Ilex rotundifolia</i> , 10 to 15 ins., XXX, 4-yr.	1.00
<i>Juniperus glauca hetzli</i> , 8 to 10 ins., XX, 2-yr.	.25
<i>Juniperus glauca hetzli</i> , 10 to 15 ins., XX, 2-yr.	.35
<i>Juniperus glauca hetzli</i> , 12 to 18 ins., XXX, 3-yr.	.50
<i>Juniperus horizontalis glauca</i> , 10 to 15 ins., XX, 3-yr.	.35
<i>Juniper. Irish</i> , 8 to 12 ins., XX, 2-yr.	.35
<i>Juniper. Irish</i> , 12 to 18 ins., XX, 3-yr.	.40
<i>Juniperus stricta</i> , 8 to 12 ins., XX, 3-yr.	.50
<i>Koeleruteria paniculata</i> , 10 to 15 ins., 2-yr.	.18
<i>Koeleruteria paniculata</i> , 15 to 30 ins., 2-yr.	.25
<i>Larix europaea</i> , 12 to 24 ins.	.18
<i>Leucothoe catesbaei</i> , 6 to 10 ins., XX, 3-yr.	.35
<i>Leucothoe catesbaei</i> , 10 to 15 ins., XX, 3-yr.	.50
<i>Picea excelsa</i> , 4 to 10 ins., 2-yr.	.12
<i>Pinus mughus</i> , 2 to 8 ins., 2-yr., sdlg.	.08
<i>Pinus mughus</i> , 3 to 6 ins., 3-yr., X.	.15
<i>Pinus nigra</i> , 6 to 10 ins., 2-yr.	.15
<i>Pinus sylvestris</i> , 2 to 8 ins., 2-yr.	.10
<i>Pinus strobus</i> , 4 to 8 ins., 2-yr.	.10
<i>Pyraeantha lalandi</i> , 6 to 12 ins., X, 2-yr.	.20
<i>Quercus palustris</i> , 12 to 24 ins., 2-yr.	.15
Rhododendron hybrids (Seedling-grown, from select red stock)	
<i>Rhododendron hybrid</i> , 8 to 12 ins., XXX, 3-yr.	.85
<i>Taxus canadensis</i> , 6 to 8 ins., XX, 3-yr.	.25
<i>Taxus canadensis</i> , 8 to 12 ins., XX, 3-yr.	.35
<i>Taxus canadensis</i> , 6 to 10 ins., XX, 2-yr.	.25
<i>Taxus canadensis</i> , 10 to 15 ins., XX, 3-yr.	.35
<i>Thuja occidentalis</i> , sdlg., 4 to 6 ins., 2-yr.	.10
<i>Thuja occidentalis</i> , 6 to 8 ins., XX, 3-yr.	.20
<i>Thuja occ. elegantissima lutea</i> , 6 to 8 ins., XX, 2-yr.	.25
<i>Thuja occ. elegantissima lutea</i> , 8 to 12 ins., XX, 3-yr.	.35
<i>Thuja occ. globosa nana</i> , 4 to 6 ins., XX, 2-yr.	.25
<i>Thuja occ. plicata</i> , 6 to 12 ins., XX, 3-yr.	.35
<i>Thuja orientalis</i> , 4 to 10 ins., sdlg., 2-yr.	.10
<i>Thuja orientalis</i> , 10 to 15 ins., X, 3-yr.	.18
<i>Tsuga canadensis</i> , 8 to 12 ins., XX, 3-yr.	.25
<i>Viburnum opulus</i> , 12 to 24 ins., 2-yr.	.18

### B&B NURSERY STOCK

	10 rate each
<i>Azalea kaempferi</i> , 12 to 15 ins., XXX, 3-yr., B&B.	\$1.25
<i>Azalea mollis</i> , 12 to 15 ins., XXX, 4-yr., branched, B&B.	1.25
<i>Azalea mollis</i> , 15 to 18 ins., XXX, 4-yr., branched, B&B.	1.65
<i>Ilex rotundifolia</i> , 12 to 15 ins., B&B.	1.25
<i>Pieris japonica</i> , 12 to 15 ins., XXX, 4-yr., B&B.	1.25
<i>Pieris japonica</i> , 15 to 18 ins., XXX, 4-yr., B&B.	1.60
<i>Pieris japonica</i> , 18 to 24 ins., XXX, 4-yr., B&B.	2.15
<i>Rhododendron hybrid</i> , 12 to 15 ins., XXX, 4-yr., B&B.	1.75
<i>Rhododendron hybrid</i> , 15 to 18 ins., XXX, 4-yr., B&B.	2.50
<i>Taxus canadensis</i> , 24 to 30 ins., B&B.	4.50
<i>Taxus canadensis</i> , 30 to 36 ins., B&B.	6.00
<i>Tsuga canadensis</i> , 18 to 24 ins., B&B.	2.00
<i>Tsuga canadensis</i> , 2 to 3 ft., B&B.	2.00
<i>Tsuga canadensis</i> , 3 to 4 ft., B&B.	3.00

Bare-root shipment (excess soil shaken off) can be made on any of the above plants listed except taxus and hemlock. The bare-root price is same as B&B price, if shipped, due to extra care in handling. If stock is called for, price per plant is 25c less than listed.

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# Louisiana Convention

By George Dupuy

The Louisiana nurserymen's convention held in the Southwestern Louisiana Institute's huge Blackman Coliseum, Lafayette, September 22 and 23 was considered a big success. The 200 nurserymen and their friends who attended the sessions were interested either in buying or in selling merchandise and were not there merely to have a good time.

Aubrey Henderson, owner of Henderson's Nursery & Horticultural Service, Lafayette, was general chairman. C. G. (Buddy) Simon, Jr., of the C. G. Simon Nursery, Inc., Lafayette, vice-president of the Louisiana State Horticultural Association, Inc., represented the nurserymen's group as ex officio chairman. Glenn D. Baker, of Charles Stoutes Nursery, Youngsville, was chairman of the souvenir program and also chairman of the housing committee; he was assisted by Ronald Goins, of the Evangeline Nursery, Lafayette, who was also publicity chairman.

Rene J. Casadaban, of Casadaban's Nurseries, Abita Springs, was chairman of awards this year. His duty was to help select a nurseryman to be honored by having the convention dedicated to him in recognition of his achievements benefiting both horticulture and floriculture. The man selected for the honor this year was Henry Kraak, of Kraak's Nursery, New Orleans. Unfortunately, Mr. Kraak was too ill to attend the convention, but in his absence at the banquet on the closing night, a representative for him was presented with a fine specimen plant of the famous Tinsley camellia; Mr. Henderson was the donor.

Among the prominent guests was Wayne Ferris, Hampton, Ia., president of the American Association of Nurserymen. In inviting President Ferris, Mr. Casadaban had stressed the importance of his meeting the Louisiana members who would plan the convention of the A. A. N. at New Orleans in July, 1951, with Mr. Casadaban as general chairman. Mr. Ferris especially enjoyed the Cajun shrimp boil party given Friday night by the Southwestern Louisiana Nurserymen's Association, and he gave several interesting talks.

Speaking on behalf of the national organization, President Ferris stressed the fact that problems encountered by southern and northern

nurserymen vary, but the nurserymen do have a common bond of interest which the national organization incorporates with all aspects of the industry.

Mr. Ferris said that a national nursery organization has proved itself to be an absolute necessity, and it has proved most effective in its campaigns to improve the status of the industry, inasmuch as officials at Washington, D. C., seldom deal with individuals but with strongly organized associations.

Educational features of the 2-day meeting were good and timely. Participants were Prof. Henry Orr, of the department of horticulture, Alabama Polytechnic Institute, Auburn; Prof. James A. Foret, Prof. Ira S. (Ike) Nelson and Prof. H. K. Riley, all of Southwestern Louisiana

Institute. Professor Foret narrated a long and interesting color movie, "A Year in the Nursery," shown through the courtesy of Mount Arbor Nurseries, Shenandoah, Ia. The complete cooperation of Dean Thomas J. Arceneaux, head of the department of horticulture, and Dr. Joel L. Fletcher, president of the institute, was a contributing factor to the convention's success. In welcoming the nurserymen to the campus, Dr. Fletcher had emphasized that the current boom period in the nursery business was not necessarily a prelude to disaster, because proper leadership and cooperative action could produce a sound program of development that would benefit everyone in the industry.

The next convention will be held at Covington, in St. Tammany parish. Nurserymen of that parish promised that everyone who attends the annual meeting in 1951 will have a good time and that all necessary facilities will be available. Members from Lafayette promised their co-

## NORTHERN - GROWN LINING - OUT STOCK

	Per 100	Per 1000
<i>Betula papyrifera</i>		
1 to 2 ft.....	\$ 6.00	\$ 50.00
2 to 3 ft.....	8.00	70.00
3 to 4 ft.....	25.00	.....
4 to 6 ft.....	40.00	.....
<i>Clethra alnifolia</i>		
6 to 18 ins.....	6.00	50.00
<i>Ilex verticillata</i>		
1 to 2 ft.....	6.00	50.00
<i>Syringa vulgaris</i>		
1 to 2 ft.....	6.00	50.00
<i>Viburnum cassinoides</i>		
1 to 2 ft.....	6.00	50.00

### EVERGREENS

<i>Abies balsamea</i>		
4 to 8 ins.....	4.00	25.00
8 to 12 ins.....	8.00	60.00
<i>Thuja occidentalis</i>		
6 to 9 ins.....	4.00	25.00
6 to 12 ins.....	5.00	40.00
<i>Tsuga canadensis</i>		
4 to 8 ins.....	4.00	25.00
8 to 12 ins.....	5.00	40.00

### HEMLOCK TRANSPLANTS

<i>Tsuga canadensis</i>		
4 to 8 ins., 1-yr. tr....	12.00	100.00
8 to 12 ins., 2-yr. tr....	18.00	160.00

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**PICEA PUNGENS GLAUCA.** Colorado Blue Spruce.

(The seeds from which these trees were grown were hand-picked from blue trees in Colorado.)

4-yr. T close (2-2) 3 to 6 inches.....	Per 100	Per 1000
	\$12.00	\$ 60.00

**PICEA EXCELSA.** Norway Spruce.

4-yr. T close (2-2) 3 to 6 inches.....	7.20	36.00
--	------	-------

**PICEA CANADENSIS.** White Spruce.

4-yr. T close (2-2) 4 to 9 inches.....	7.20	36.00
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**PINUS MUGO (MONTANA) MUGHUS.** Mugho Pine.

4-yr. T close (2-2) 5 to 7 inches.....	8.00	40.00
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**PINUS BANKSIANA.** Jack Pine.

4-yr. T close (2-2) 9 to 18 inches.....	4.80	24.00
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**PINUS STROBUS.** White Pine.

(This White Pine is grown in a sanitary nursery where Ribes have been eradicated by the U.S.D.A.)

4-yr. T close (2-2) 4 to 7 inches.....	6.00	30.00
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EXPLANATION OF PRICE LIST: "T close" indicates close transplants. That is the result of small 2-year seedlings that have been root-pruned and transplanted close together and grown for two years. (2-2): The first number indicates the number of years in the seedbed; the second number indicates the number of years in the transplant bed.

TERMS: Cash before shipment. Prices are F.O.B. Fennville, Mich. 500 trees of one variety and size are sold at the thousand rate. We ship by express unless otherwise specified (Collect for express charges). We guarantee safe arrival at the common carrier destination.

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operation for the 1951 meeting and assured everyone that a good program would also be scheduled for the 1952 convention to be held at Lafayette.

Mr. Simon introduced all of the exhibitors at the business session, and they spoke briefly. In closing the business session, S. J. McCrory, Louisiana state entomologist, gave a short talk prior to his being made an official honorary member of the Louisiana State Horticultural Association, Inc. And he was presented with a gift as a token of appreciation for his efforts and hard work in promoting the new act known as act No. 224 of 1950, which was recently passed in the state legislature.

Before Mr. McCrory could leave the rostrum, he was asked to answer questions relative to the strict quarantine placed against two parishes in northern Louisiana to control the camellia petal blight. Mr. McCrory explained that the immediate procedure taken was absolutely necessary and that, as soon as the facts

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## FOR FALL, 1950, or SPRING, 1951

	Per 100	Per 1000
<b>Cornus florida</b> , understock.....	\$ 5.00	\$40.00
1-yr. seedlings, 6 to 10 ins.....		20.00
<b>Biota</b> , understock, transplants.....	6.00	50.00
<b>Ampelopsis veitchii</b> , 1-yr. seedlings, No. 1.....		35.00
1-yr. seedlings, No. 2.....		20.00
<b>Sorbus aucuparia</b> (European Mountain Ash), 1-yr. seedlings.....		
4 to 6 ins.....	2.00	15.00
6 to 10 ins.....	3.00	25.00
10 to 15 ins.....	4.00	35.00
3 to 4-ft. transplants.....	30.00	
4 to 5-ft. transplants.....	40.00	

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had been studied, nurserymen in that area would be relieved of some of the hardships of the quarantine. A petition, which asked that a review of the quarantine's control measures be made to eliminate some of the harsher aspects, was given to Mr. McCrory. W. E. Anderson, state commissioner of agriculture, was scheduled to make a short talk, but state business kept him from returning Saturday.

When the business session adjourned, Professor Riley, head of the department of plant industry, demonstrated his irrigation system that he uses exclusively on the grounds at the institute. Dean Arceneaux acted as master of ceremonies at the conclusion of the convention Saturday evening when everyone went to the Poor Boy's Riverside Inn to enjoy a chicken barbecue.

There were thirty-nine exhibitors at the convention. Jennings Nursery Co., Jennings, was awarded \$25 for the best exhibit. Second and third prizes were awarded to C. G. Simon Nursery, Inc., Lafayette, and Girard Camellia Nursery, Lafayette, respectively.

Exhibitors from Louisiana included: Hunt's Flowers, Baton Rouge; C. G. Simon Nursery, Inc., Lafayette; McKee's Nursery, Covington; Casadaban's Nurseries, Abita Springs; Jennings Nursery Co., Jennings; Hebert's Nursery, Lafayette; Charles Stoutes Nursery, Youngsville; Henderson's Nursery & Horticultural Service, Lafayette; A. & H. Equipment Co., Lafayette; Garden Center Nursery, Lafayette; Grandview Nursery, Youngsville; Kiskatom Nurseries, Madisonville; E. A. Farley, florist, New Orleans; Schilling's Nursery, Loranger; Nola Nursery, New Orleans; Hub City Tractors, Inc., Lafayette; Smith's Nursery, Grand Coteau; Girard Camellia Nursery, Lafayette; Comeaux's Nursery, Lafayette; Gro-Mulch Manufacturers & Distributors, Lafayette and Napoleonville; Poole Bros. Nursery, Lecompe; McIlhenny's Nursery, Avery Island; Premier Peat Moss Corp., New Orleans; Fred's Flower Shop & Nursery, Baton Rouge; Childers Insecticide Co., West Monroe, and Home Gardening magazine, New Orleans.

Out-of-state firms with displays were: Marshall Pottery Co., Marshall; L. C. House & Sons Nurseries, Tyler; Arp Nursery Co., Tyler; Paxton Daviss Greenhouses, Dickinson; Vermay Nursery Co., Tyler; Rainey's Pecan Nursery, Richland Springs; Black & Goodwin Nursery, Orange;

# FALL, 1950, and SPRING, 1951, WHOLESALE PRICE LIST

## Well established cuttings from 2 1/4-in. pots

	Per 10	Per 100
<i>Euonymus carrierei</i> .....	\$1.75	\$15.00
<i>Euonymus vegetus</i> .....	1.75	15.00
<i>Ilex crenata bullata</i> .....	1.75	15.00
<i>Ilex crenata helleri</i> .....	1.75	15.00
<i>Ilex crenata microphylla</i> .....	1.75	15.00
<i>Juniperus depressa plumosa</i> .....	1.75	15.00
<i>Juniperus glauca hetzi</i> .....	1.75	15.00
<i>Juniperus horizontalis glauca wiltoni</i> .....	1.75	15.00
<i>Juniperus pfizeriana</i> .....	2.25	20.00
<i>Juniperus pfizeriana compacta</i> .....	2.25	20.00
<i>Juniperus pfizeriana nana</i> .....	2.25	20.00
<i>Taxus baccata repandens</i> .....	1.75	15.00
<i>Taxus cuspidata compacta</i> .....	1.75	15.00
<i>Taxus cuspidata densa</i> .....	1.75	15.00
<i>Taxus cuspidata capitata</i> .....	2.25	20.00
<i>Taxus cuspidata nana</i> .....	1.75	15.00
<i>Taxus media browni</i> .....	1.75	15.00
<i>Taxus media hatfieldi</i> .....	1.75	15.00
<i>Taxus media henryi</i> .....	1.75	15.00
<i>Taxus media hicksi</i> .....	1.75	15.00
<i>Taxus media Moon's columnaris</i> .....	1.75	15.00
<i>Taxus media Vermeulen</i> .....	1.75	15.00
<i>Thuja occidentalis pyramidalis</i> .....	1.75	15.00

## 2-year Bedded Cuttings

	Per 10	Per 100
<i>Taxus media hatfieldi</i> , 10 to 12 ins. ....	\$4.00	\$35.00
<i>Taxus media Moon's columnaris</i> , 8 to 10 ins. ....	4.00	35.00
<i>Taxus media Vermeulen</i> , 10 to 12 ins. ....	4.00	35.00

Prices are F.O.B. Mountain View, N. J., packing additional at cost. Usual terms to those of established credit. No goods sent C.O.D. unless 25 per cent of amount is sent with order. All this material is listed subject to prior sale and crop conditions.

## HESS' NURSERIES

## Seedlings, etc.

	Per 100	Per 1000
<i>Juniperus virginiana</i> , 2-yr. sdg., 6 to 10 ins. ....	\$ 5.00	\$45.00
<i>Magnolia glauca</i> , 2-yr. sdg., 8 to 12 ins. ....	6.00	50.00
<i>Picea excelsa</i> , 3-yr. sdg., 4 to 8 ins. ....	5.00	45.00
<i>Picea pungens glauca</i> , 3-yr. sdg., 3 to 6 ins. ....	5.00	45.00
<i>Pinus aristata</i> , 2-yr. sdg., 2 to 4 ins. ....	4.00	35.00
<i>Pinus flexilis</i> , 2-yr. sdg., 2 to 4 ins. ....	4.00	35.00
<i>Pinus mughus</i> , 3-yr. sdg., 3 to 6 ins. ....	5.00	45.00
<i>Pinus sylvestris</i> , 3-yr. sdg., 8 to 12 ins. ....	4.00	35.00
<i>Pinus thunbergi</i> , 2-yr. sdg., 4 to 8 ins. ....	4.00	35.00
<i>Syringa vulgaris</i> , 2-yr. sdg., 8 to 10 ins. ....	4.00	35.00
<i>Taxus cuspidata capitata</i> , 2-yr. sdg., 3 to 6 ins. ....	10.00	90.00
<i>Thuja occidentalis</i> , 3-yr. sdg., 6 to 8 ins. ....	4.50	40.00
<i>Tsuga canadensis</i> , transplants, 6 to 8 ins. ....	10.00	85.00

## Ericaceous Plants

	Per 10	Per 100
<i>Andromeda floribunda</i> , 2 1/4-in. pots. ....	\$2.50	\$20.00
<i>Andromeda japonica</i> , 2 1/4-in. pots. ....	1.75	15.00
<i>Azalea macronulata</i> , 2 1/4-in. pots. ....	1.75	15.00
<i>Azalea schlippenbachii</i> , 2 1/4-in. pots. ....	1.75	15.00
<i>Azalea vaseyi</i> , 2 1/4-in. pots. ....	1.75	15.00
<i>Enkianthus campanulatus</i> , 2 1/4-in. ....	1.75	15.00
<i>Leucothoe catesbaei</i> , 2 1/4-in. pots. ....	1.75	15.00
<i>Rhododendron catawbiense</i> , 2 1/4-in. pots. ....	1.25	10.00
<i>Rhododendron carolinianum</i> , 2 1/4-in. pots. ....	1.25	10.00
<i>Rhododendron maximum</i> , 2 1/4-in. pots. ....	1.25	10.00

## 1-year Magnolia grafts

For either Fall, 1950, or Spring, 1951, shipment.

	Per 10	Per 100
<i>Magnolia soulangeana</i> .....	\$8.00	\$75.00
<i>Magnolia soulangeana nigra</i> .....	8.00	75.00
<i>Magnolia stellata</i> .....	8.00	75.00

## MOUNTAIN VIEW, N. J.

Verhalen Nursery Co. Scottsville, and Cockrell's Riverside Fruit Farms & Nurseries, Goldthwaite, all of Texas; Southland Nurseries, Inc., Mobile, Ala., and Bradfords Wayside Nursery, Ocean Springs, Miss.

Elmer A. Farley staged a beautiful orchid display valued approximately at \$800. After the convention he gave this display to Dean Arceneaux and to Professor Nelson to give them a good start in growing and experimenting with orchids at the institute. Other exhibitors who presented their displays to the institute were Nola Nursery, Poole Bros. Nursery, Verhalen Nursery Co., Marshall Pottery Co. and Arp Nursery Co., which not only gave the rosebushes on display, but also volunteered to ship a generous supply of the firm's best rosebushes for the institute's experimental rose garden. Hunt's Flowers also gave all of its plants shown and a few others that were not recorded. L. C. House & Sons Nurseries and the Vermay Nursery Co., both at Tyler, Tex., supplied all of the cut roses for the banquet table decorations.

## Horticultural Meeting.

The board of directors of the Louisiana State Horticultural Association, Inc., met Sunday, September

# Get to Know Leghorn's For Your Quality Evergreens

Growing a fine line of liners and specimen Evergreens in choice varieties, specializing in Yews.

Write for prices.

## LEGHORN'S EVERGREEN NURSERIES

Geer Street

CROMWELL, CONN.

Please Mention AMERICAN NURSEYMAN When Writing Advertisers.

## CLEARFIELD BITUMINOUS COAL CORP.

Department of Forests

Indiana, Indiana County, Pa.

Growers of Quality Evergreen Seedlings and Transplants  
for over 25 Years.

Write for Price List and Planting Guide.

# TAXUS

Quality stock with J. B. certificate; in carload or truck-load lots.

**TAXUS capitata**, 2 1/2 to 8 ft.

**TAXUS cuspidata**,  
1 1/2 to 4 ft.

**TAXUS nana** and  
**intermedia**, 1 to 3 ft.

**TAXUS hicksi** and **hatfieldi**,  
2 to 4 ft.

Also

**TAXUS capitata** liners,  
3 to 4 yrs., 1 to 2 ft.

**BULK'S NURSERIES**  
Babylon, L. I., N. Y.

## HARDY NATIVE EVERGREENS

Collected Stock

Canadian Hemlock, American  
Arborvitae, Balsam Fir

Per 100 Per 1000

2 to 4 ins., sdgls....	\$0.80	\$ 5.00
3 to 6 ins., sdgls....	1.50	10.00
6 to 9 ins., sdgls....	2.50	15.00
9 to 12 ins.....	6.00	40.00
12 to 18 ins.....	8.00	65.00

All first-quality stock, well rooted and packed in sphagnum moss.

Send for trade list.

Cash, please.

**R. M. COLE**

Box 37

Charlotte, Vt.

<b>Azalea Hinodegiri</b> , 3 to 6 ft., 2-yr. T.....	Per 100	\$15.00
<b>Azalea Kurume</b> , mixed colors, 4 to 8 ft., 2-yr. T.....	15.00	
<b>Baltic Ivy</b> , 2-yr. R.C.....	6.00	
<b>English Box</b> , 2 to 3 ft., T.....	7.50	
3 to 4 ft.....	10.00	
<b>American Box</b> , 3 to 4 ft.....	7.50	
4 to 6 ft.....	10.00	
6 to 8 ft.....	15.00	
<b>Euonymus Yedoensis</b> , 4 to 8 ft., 2-yr. S.....	3.00	
<b>Ilex Bullata</b> , 4 to 6 ft., 2-yr. T.....	15.00	
6 to 8 ft., T.....	20.00	
<b>Ilex Crenata</b> , 4 to 6 ft., 2-yr. T.....	15.00	
6 to 8 ft., T.....	20.00	
<b>Leucothoe Catesbaei</b> , 6 to 8 ft., T.....	15.00	
<b>Pieris Japonica</b> , 4 to 7 ft., T.....	15.00	
7 to 9 ft.....	20.00	

Send for list.

**ALANWOLD NURSERY**  
NESHAMINY, Bucks Co., PA.

## EVERGREENS

Seedlings and Transplants  
For Fall, 1950, and Spring, 1951  
Write for price list.

**SUNCREST EVERGREEN NURSERIES**  
JOHNSTOWN, PA.

24, at the Evangeline hotel for a meeting and a luncheon. The most important matters discussed and voted upon were the enforcement of act No. 224 of 1950 and the appointment of Vernon U. Hunt, of Baton Rouge, as general chairman for the association's convention to be held at the state capital, Baton Rouge, in May. An ample number of rooms has been guaranteed by three leading hotels. The banquet will be held at the Heidelberg hotel, while all of the business sessions, school of design and exhibits will be at the State Capitol building, just two blocks from the hotels. Convention dates will be Sunday, Monday and Tuesday of the third week in May, 1951, one week after Mothers' day.

## CHANGING TIMES.

In a series of page advertisements in Philadelphia newspapers, the Girard Trust Co., of that city, has been covering the development of business, industry and professions in that area. A recent one told how pioneer seed farms and nurseries started in what is now the downtown section of the city. David Landreth's nursery was at Twenty-second and Federal, while Robert Buist's seed farm and greenhouses were at Twelfth and Lombard.

"Philadelphia is known as the home of the largest mail-order seed business, W. Atlee Burpee Co., and as the birthplace of America's oldest seed house, D. Landreth's Seed Co., founded in 1784," stated the advertisement.

John Bartram was a celebrated early plant collector and made the first American experiments in hybridization on his farm at Philadelphia. Other trade firms in the area are Andorra Nurseries, Conard-Pyle Co., Henry A. Dreer, Inc., Michell's Seed House, Philadelphia Seed Co. and Henry Jeffers, one of the largest growers of Christmas trees.

Tribute was paid to the late Dr. J. Horace McFarland, of Harrisburg, noted as a printer and horticulturist and said to be the only man to have three roses named in his honor.

HAVING bought the entire nursery stock of the Lincoln Highway Nursery, Upper Sandusky, O., Mr. and Mrs. Willard Cherry, who also own Skip's Nursery, Columbus Grove, O., will operate their newly acquired firm with their son, Park, as its manager.

## EVERGREENS

**Northern-grown**

CANADIAN HEMLOCK  
AMERICAN ARBORVITAE  
BALSAM FIR

Per 100 Per 1000

2 to 4 ins., sdgls....	\$ 0.80	\$ 5.00
3 to 6 ins., sdgls....	1.50	10.00
* 6 to 9 ins., sdgls....	2.50	15.00
* 9 to 12 ins., sdgls....	6.00	40.00
* 12 to 18 ins., sdgls....	8.00	65.00
* 18 to 24 ins., sdgls....	20.00	.....

\*Limited quantity of Arborvitae.

Freshly collected. Well rooted. Puddled and packed in sphagnum moss. Catalog of plants, ferns, etc., on request.

**WILLIAM CROSBY HORSFORD**  
Charlotte, Vermont

## For Fall Planting TAXUS LINERS

Strong, 2-yr., field-grown.

HATFIELD  
HICKSI

CUSP. SPREADING  
INTERMEDIA

... and other varieties in moderate quantities.

**KOSTER NURSERY**  
BRIDGETON, N. J.

## LINING-OUT STOCK

in wide assortment

Hardy Azaleas, Pink Dogwood, Jap. Red Maples, Old English Boxwood, Lilacs (French Hyb.), Evergreens, etc., in 1, 2 and 3-yr. transplants, at competitive prices. Write for list.

**DEERFIELD NURSERIES**  
DEERFIELD STREET P. O., N. J.

## LILACS

On own roots.

Large plants, 5 ft. and up.

Charles X, William Robinson,  
Pres. Grey, Leon Gambetta, etc.

To plant now  
**AMERICAN ARBORVITAE**, 10 ft.

An assortment of heavy stock  
for landscaping.

**RED LAKE RED CURRANTS**, 2-yr. No. 1

**SAMUEL FRASER NURSERY**  
GENESEO, N. Y.

## PACHYSANDRA

The ideal permanent ground cover plant for shady areas in all climates. Strong, well rooted, 1-yr.-old plants. \$3.75 per 100; \$35.00 per 1000; 6000 or more at \$32.50.

**PEEKSKILL NURSERY** SHRUB OAK, N. Y.



## BOTANICAL CONGRESS.

Almost 1,400 plant scientists from all corners of the world gathered for the seventh International Botanical Congress, at Stockholm, Sweden, in July, under the presidency of Professor C. Skottsberg, director emeritus of the Goteborg Botanical Garden.

The congress was divided into fifteen sections, under the chairmanship of noted plant scientists, including two from the United States, Dr. E. D. Merrill and Dr. E. C. Stakman.

Three general sessions in the Stockholm concert hall—one at which the president of the congress and the Crown Prince of Sweden welcomed the members, a second at which Dr. Frans Verdoorn spoke on the history of and the basic philosophy underlying the congresses, and Dr. F. W. Went, on climate and plant growth, and the closing session.

Several special excursions were arranged, through Lapland, through the Stockholm archipelago, at the Natural History Museum and the Bergius Botanic Gardens, at Uppsala and nearby Ultuna, with a pilgrimage to the Linnaean landmarks.

One of the special meetings led to the establishment of an International Association for Plant Taxonomy and Geography.

It was decided that future International Botanical Congresses would, in principle (1) meet once every three, four or five years and that an effort would be made to avoid dates which would clash with those of other large congresses and (2) alternate between Europe and a country outside Europe. The eighth congress will be held in Paris in 1954, at the occasion of the centenary of the founding of the French Botanical Society, and the ninth congress will be held in North America, since invitations from the United States and from Canada for the eighth congress had been presented at Stockholm.

FEATURED on the program of the eighty-fourth annual meeting of the Minnesota State Horticultural Society held September 28 and 29 at the Hotel St. Paul, St. Paul, Minn., were Kimball D. Andrews, owner of Andrews Nursery, Faribault, Minn., who discussed garden photography; Bj. Loss, of Lake City Nursery Co., Lake City, Minn., who reported for the fruit-breeding farm visitors' committee, and Charles Okken, of Farmer Seed & Nursery Co., Faribault, who talked about choice perennials for a garden.

## LINING-OUT STOCK

Fall, 1950—Spring, 1951

Write for Illustrated List

	Per 100	Per 1000
European Mountain Ash, X, 3 to 4 ft.	\$45.00	....
European Mountain Ash, X, 2 to 3 ft.	25.00	....
European Mountain Ash, 2-0, 24 to 36 ins.	15.00	....
European Mountain Ash, 2-0, 12 to 24 ins.	10.00	....
(Grown from seeds from red-berried trees.)		
White Birch, 2-0, 10 to 18 ins.	7.50	\$ 60.00
Red Barberry, X, 12 to 18 ins.	15.00	125.00
Red Barberry, X, 6 to 12 ins.	8.00	70.00
Green Barberry, X, 12 to 18 ins.	10.00	....
Green Barberry, X, 6 to 12 ins.	7.00	....
Colorado Blue Spruce, 3-2, 6 to 9 ins.	15.00	....
Colorado Blue Spruce, 3-0, 8 to 10 ins.	9.50	65.00
Colorado Blue Spruce, 3-0, 4 to 8 ins.	7.00	50.00
Colorado Blue Spruce, 3-0, 2 to 4 ins.	4.00	25.00
American Arborvitae, 2-2, 6 to 9 ins.	9.00	75.00
American Arborvitae, 2-2, 4 to 6 ins.	7.50	60.00
Colorado Green Spruce, XXX, 10 to 16 ins.	25.00	....
Colorado Green Spruce, XXX, 6 to 10 ins.	18.00	....
Ponderosa Pine, 2-2, 8 to 12 ins.	12.50	....
Ponderosa Pine, 2-2, 4 to 8 ins.	8.00	....
Ponderosa Pine, 2-0, 2 to 5 ins.	5.00	35.00
Black Hills Spruce, XX, 12 to 15 ins.	35.00	....
Black Hills Spruce, XX, 9 to 12 ins.	27.50	....
Black Hills Spruce, XX, 6 to 9 ins.	20.00	....
Dwarf Montana Mugho Pine, 2-2, 4 to 6 ins., sheared.	15.00	....
Dwarf Montana Mugho Pine, 3-0, 2 to 4 ins., top-sheared.	5.00	25.00
Austrian Pine, 2-0, 1 to 4 ins.	4.50	30.00

## Scotch Pine

Stock from Danish Seeds

	Per 100	Per 1000	Per 5000	Per 10,000
2-0, 1 to 3 ins.	\$ 3.00	\$18.00	\$ 80.00	\$150.00
2-0, 3 to 8 ins.	4.50	25.00	120.00	220.00
2-2, 6 to 12 ins.	10.00	....	....	....
2-2, 12 to 18 ins.	20.00	....	....	....

Terms: Cash with order, please; or 25 per cent with order and balance before shipment. Packing free; shipment by parcel post or express, collect. Quantity prices on single items only, not collective totals.

25 at 100 rate; 250 at 1000 rate.

## MATTHEWS NURSERY

Telephone 123

HARBOR SPRINGS, MICH.

GERARD K. KLYN, Inc.  
ROSE GROWERS MENTOR, OHIO

Our Northern Ohio-grown Roses are without equal. Carefully handled from planting to shipping. See our fields and be convinced. Ask for our list of popular varieties, ready for shipment about November 1.

## LINERS

Ask for list.

BROWER'S NURSERIES  
Box 25 NEW LONDON, CONN.

## POTTED LINERS

## GRAFTS

(Beetle Certified)

HEASLEY'S NURSERIES  
Freeport Rd. BUTLER, PA.

# This Business of Ours

*Reflections on the Progress and Problems of Nurserymen*

By E. Sam Hemming

## TREE DIGGER USED. AS A SUBSOILER.

We have noticed a marked change in the apparent fertility in one small block of the nursery, more change than the use of fertilizer would warrant. We have come to the conclusion that this difference is because a crop was grown on this area about three years ago and had to be dug with a tree digger.

While we do not grow many items wholesale, we do have some that we dig with a digger. The tree digger goes about fifteen inches deep. This particular block was planted in gently rolling ground of sandy loam, neither needing drainage nor having an apparent hardpan. Yet the breaking up of the subsoil aerated it, let the roots penetrate deeper and aided both in the absorption of rainfall and in the upward movement in soil moisture. We also have a block in heavy clay soil, which does not drain rapidly because it is almost level, and we feel that the tree digger can be used beneficially here.

The use of a subsoiler is not so extensively advocated as it was ten or fifteen years ago. There seems to be more emphasis on terracing, cover crops and ponds, yet subsoiling can perform certain practices in benefiting the soil that can be done in no other way. Nurserymen have a ready-made tool for subsoiling in a tree digger, and I wonder how many use it for this purpose. E. S. H.

## PLANTS WITH BEAUTY AT MORE THAN ONE SEASON.

Mrs. Mary Deputy Lamson in her talk before the National Landscape Nurserymen's Association in July advocated using, whenever possible, plants with conspicuous features at two or more seasons a year. All of us, I am sure, have seen and used plants with the same consideration, but I took a number of catalogs, including our own, and made lists of plants that would meet these qualifications. I made three separate lists of deciduous trees and shrubs and broad-leaved evergreens. For the obvious reason that their color is much the same throughout the year, I did not make a list of coniferous evergreens.

To be worthy of inclusion in the list, a plant would have to have most of the following features: Conspicuous flowers in spring or summer; attractive foliage in summer; showy berries, fruit or pods in late summer, fall or winter, and unusual foliage color and conspicuous twig color in the fall.

The lists did not turn out exactly as one might expect, because they tended toward the unusual. The fine, dependable trees are not those that are conspicuous but those of vigor and good summer foliage, with such qualities as size, character and habit of growth being the most important. At the most, our important trees have but 2-season attractiveness, namely summer foliage and fall col-

oration. Some fine trees have only one.

The tree list mostly boiled down to such things as dogwood, with white flowers, red fruit and colored fall foliage; sourwood, with white racemes of flowers and showy summer and fall foliage; crab apple, with flowers, foliage and fruit; birch, with green summer foliage, yellow fall foliage and white bark; pagoda tree, with white flowers, green seed pods and green winter bark. Other possible inclusions are Russian olive, Franklin tree, Photinia villosa, certain hawthorns and the sour gum.

The shrub list is a little more satisfying, but again, it also was conspicuous by its lack of most of our really choice flowering shrubs, because most of them are actually showy during only one season in the year, such as lilacs, azaleas, pearl-bush and crape myrtle, although the

## TRADE LIST IS READY NOW

It lists:

Evergreen Seedlings.  
Evergreen Transplants.  
Broad-leaved Evergreens, liners and finished.  
Ornamentals, for lining out.  
Evergreen Specimens, B&B.  
Ornamental Shade Trees.  
Deciduous Shrubs.  
Hybrid Azaleas.  
Hybrid Rhododendrons.

**FAIRVIEW EVERGREEN NURSERIES**  
FAIRVIEW, Erie Co., PA.

## ORNAMENTAL EVERGREENS

## Trees & Shrubs

## BAGATELLE NURSERY

P. O. Huntington Station, N. Y.

## JAPANESE YEW

Upright-growing (capitata).  
Perfect, compact specimens.  
3 to 3 1/2 ft. high, \$8.50 ea.  
3 1/2 to 4 ft. high, \$7.50 ea.  
Also some nice specimen Hybrid Lilacs,  
Oxydendrum and American Holly.  
Beetle Zone only.  
**PEEKSKILL NURSERY**  
SHRUB OAK, N. Y.

## A General Line of FRUIT and ORNAMENTAL TREES and PLANTS

**BUNTINGS' NURSERIES, Inc.**  
Box 3 SELBYVILLE, DEL.

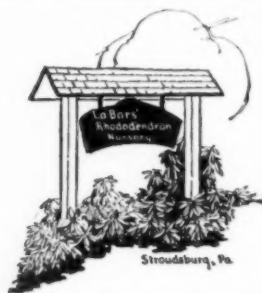
## THUJA OCCIDENTALIS COMPACTA ERCTA

(NEW)

We offer this new variety in rooted cuttings; also established stock from 2 1/4-in. pots.

Write for descriptive folder in color.

**THE WESTMINSTER NURSERIES**  
WESTMINSTER, MD.



## HEMLOCK

Rhododendron — Kalmia  
Azalea

**CURTIS NURSERIES**

CALICOON, N. Y.

## SHEPARD NURSERIES

Growers and Distributors of  
**ORNAMENTAL NURSERY STOCK**

Truckloads only, no boxing.  
60 acres growing. Skaneateles, N. Y.



# SCARFF'S Nursery

Headquarters for Small Fruit Plants  
**SPECIAL for FALL PLANTING**  
**— 100,000 —**  
**TRANSPLANTED BERRY PLANTS**  
*Safest for Fall Planting and*  
*Customer Satisfaction*

**GAIN A YEAR** *Get Some Fruit*  
*The First Season*

**BLACK RASPBERRY, Transplants**

*Bristol, Logan, Morrison*

**SODUS PURPLE, Transplants**

**RED RASPBERRY, Transplants**

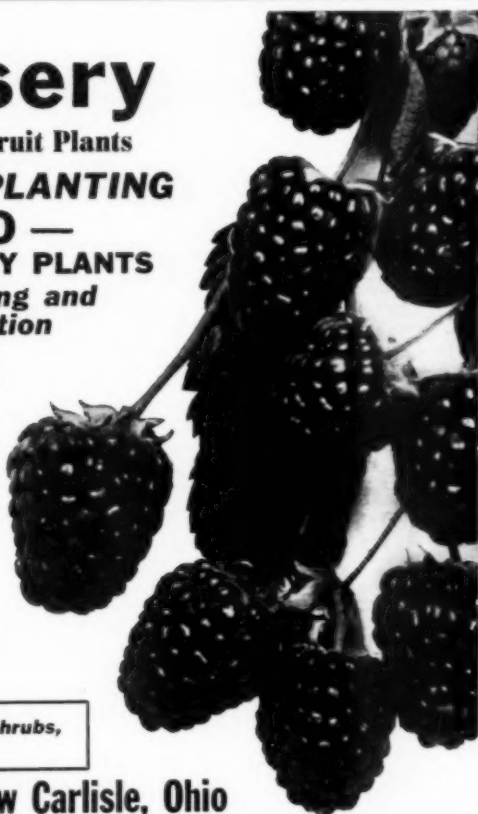
*Indian Summer, Latham, Sunrise*

**BLACKBERRY - LUCRETIA DEWBERRY**

**THORNLESS BOYSENBERRY**

*Send for complete Trade List of Fruits, Ornamental Shrubs,  
 Vines and Evergreens.*

**W. N. SCARFF'S SONS, New Carlisle, Ohio**



last-named has a little fall coloration. Also absent from my list are our fine common shrubs, such as spiraea, forsythia, weigela, mock orange and deutzia, which are common ones only because they are easy to propagate and not because they are not beautiful.

The shrub list includes red chokeberry, Japanese barberry, red twig dogwood, redbud, enkianthus, winterberry and Morrow's honeysuckle. Also included perhaps would be other bush honeysuckles; Rosa rugosa; blueberries; sweet bay magnolia; kerria; Cotoneasters horizontalis and acutifolia; winged euonymus; shining sumac; several viburnums, especially tomentosum and theiferum; smokebush, and jasmine. It is particularly noticeable from the forenamed list that the flowers tend to be dainty, instead of showy.

The list of broad-leaved evergreens turned out to be the most satisfying. It also happens to be my favorite group of plants. The plants in the list contain most of the old stand-bys, and they have the other qualities desired as well as 3 or 4-season attractiveness.

Many in this group have showy flowers and fruits, as well as good foliage in both their dormant and

## SUGAR MAPLE LINERS (Acer Saccharum)

With deciduous trees in good demand, these maple liners will rapidly grow into money

	Per 100	Per 1000
2 to 3 ft. ....	\$16.00	\$150.00
3 to 4 ft. ....	20.00	190.00
4 to 5 ft. ....	25.00	235.00
5 to 6 ft. ....	35.00	330.00
6 to 8 ft. ....	45.00	425.00
8 to 10 ft. ....	60.00	575.00

Plant this fall and have the job out of the way.

## EVERGREEN NURSERY CO.

Established 1864

Sturgeon Bay, Wis.

### CLEMATIS and ORNAMENTAL VINES

Write for list.

**JAMES I. GEORGE & SON**

Growers  
 FAIRPORT, N. Y.

### Trees, Evergreens, Shrubs Fruit Trees

Write for Our Wholesale Trade List

**W. - T. Smith Corporation**  
 Telephone 2689 GENEVA, N. Y.



# MAHONIA AQUIFOLIUM

## Oregon Grape

We have a limited quantity of twice-transplanted, heavy field liners.

Immediate shipment or Spring 1951

	Per 100	Per 1000
8 to 10 ins., xx, Frame . .	\$23.00	\$200.00
10 to 12 ins., xx, Frame . .	33.00	300.00
12 to 15 ins., xx, Frame . .	43.00	400.00

Sold in multiples of 25

250 or more at the 1000 rate

**D. HILL NURSERY COMPANY**  
DUNDEE, ILLINOIS

# TAXUS

## LINERS and FINISHED SIZES

We offer many varieties of Taxus liners in 1-year and 2-year pots; also varieties once and twice transplanted. A good assortment of fine Taxus in spreading, globe and upright shapes. Fall lining out has produced excellent results for us.



Write Today for Complete Wholesale List.

**EAGLE CREEK NURSERY CO., Inc.**  
NEW AUGUSTA, INDIANA

### RED PEONIES

Pay most profits. 50 per cent of the demand is for red varieties. They bring the largest retail prices. Here are 3 best reds:

Karl Rosefield—crimson.  
Mons. Martin Cahuzac—darkest red.  
Longfellow—bright red.  
Divisions, \$5.00 per 10; \$40.00 per 100;  
\$350.00 per 1000.

Terms: Cash with your order, please.

**PAYNE DAHLIA FARMS**  
ROUTE 5 KANSAS CITY 8, KAN.

### LARGE-SIZE SHRUBS

3-year, cut back twice, 4 to 5 ft.

	Each
Forsythia Intermedia . . . . .	\$0.45
Zabeli Honeysuckle . . . . .	.45
Philadelphus Coronarius . . . . .	.40

### THE HENRY NURSERIES

Ingels Bros.  
HENRY, ILL.

growing seasons. And some, like nandina, Photinia serrulata, abelia and pieris, have fall and winter coloration. The most notable members of this group are the two abelias. Here is a shrub that flowers all summer long and holds its leaves in the winter. The azaleas and rhododendrons have showy flowers, as well as good foliage. A number of plants in this group have the showiest fruits of any plants, such as fire thorns, American holly, nandina and leatherleaf viburnum. Still others have unusual but less conspicuous fruits, such as bayberry, inkberry, Elaeagnus pungens and Siebold's euonymus.

After making out the lists and studying them, my own reaction is that too consistent a use of these plants would tend to make our landscape pictures too delicate, too monotonous and circumscribed. Instead of giving the effect one would expect, the picture would lack much that is necessary in background, in accent and in the main body of planting. These plants turn out to be the ones that one might call fillers to be used in building up the mass effect in mass planting. E. S. H.

### DRIVE TO HALT OAK WILT.

A campaign to halt the devastation caused by oak wilt in the forest preserves of Cook county and in other areas in Illinois and neighboring states was started at a meeting at the headquarters of the Cook county forest preserve district, River Forest, Ill., October 4, attended by nine of the nation's top botanists and plant pathologists who gathered as a special oak wilt research advisory committee. Attending were Dr. A. J. Riker, University of Wisconsin, chairman of the meeting; Dr. Curtis May, United States Department of Agriculture; Dr. W. H. Bragonier, Iowa State College; Dr. H. B. Mills, chief of Illinois Natural History Survey; Dr. L. R. Steidel, chairman, national oak wilt research center, Memphis; Dr. C. M. Tucker, University of Missouri, and Charles G. Sauers, general superintendent, and Noel Wysong, chief forester, both of the Cook county forest preserve district.

This research advisory committee, formed at a special conference at Champaign, Ill., in July, decided to appeal to the national oak wilt research committee for financial and other aid to find a cure and preventive for the disease. Mr. Sauers said that the committee planned to meet October 26 at Memphis.

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Telephone 22

## SMALL FRUITS

These prices cancel all previous Lists and are subject to change without notice, 250 or over at 1000 rate. Boxing at cost. All prices F.O.B. Bridgman. Usual terms.

GRAPES		Per 100	Per 1000	RED RASPBERRIES		Per 100	Per 1000
Concord, 2-1		\$10.00	\$ 80.00	Latham, transplants		\$ 7.50	\$ 62.50
Concord, 1-1		8.00	60.00	Latham, 1-yr. No. 1		6.00	50.00
Niagara, 2-1		11.00	90.00	Chief, transplants		7.00	60.00
Niagara, 1-1		9.00	70.00	Chief, 1-yr. No. 1		5.50	45.00
Catawba, 2-1		11.00	90.00	Sunrise, transplants		7.00	60.00
Catawba, 1-1		9.00	70.00	Sunrise, 1-yr. No. 1		5.50	45.00
Fredonia, 2-1		11.00	90.00	Indian Summer, transplants		8.00	70.00
Fredonia, 1-1		9.00	70.00	Indian Summer, 1-yr. No. 1		6.50	55.00
Delaware, 2-1		14.00	120.00	St. Regis, transplants		7.00	60.00
Delaware, 1-1		11.00	90.00	St. Regis, 1-yr. No. 1		5.50	45.00
Van Buren, 2-1		22.00		BLACK RASPBERRIES			
Van Buren, 1-1		16.00		Cumberland, trans. No. 1		8.00	70.00
Sheridan, 1-1		11.00		Cumberland, trans. No. 2		6.50	55.00
BLACKBERRIES				Cumberland, tips, No. 1		4.50	35.00
Eldorado, transplants		6.50	55.00	Logan, trans. No. 1		8.00	70.00
Eldorado, No. 1, r.c.		5.00	40.00	Logan, trans. No. 2		6.50	55.00
Alfred, transplants		6.50	55.00	Logan, tips, No. 1		4.50	35.00
Alfred, No. 1, r.c.		5.00	40.00	Morrison, trans. No. 1		9.00	80.00
Early Harvest, No. 1, r.c.		5.00	40.00	Morrison, trans. No. 2		7.50	65.00
BOYSENBERRIES and DEWBERRIES				Morrison, tips, No. 1		5.00	40.00
Boysenberry (Common), No. 1 tips		5.50	45.00	PURPLE RASPBERRIES			
Boysenberry (Thornless), No. 1 tips		5.50	45.00	Sodus, No. 1, tips		5.50	45.00
Lucretia Dewberry, No. 1 tips		5.50	40.00	ASPARAGUS			
CURRANTS				Paradise and Washington			
Wildier, 3-yr. heavy		15.00	130.00	3-yr. heavy		4.00	30.00
Wildier, 2-yr. No. 1		12.00	100.00	2-yr. No. 1		2.50	18.00
Wildier, 1-yr. No. 1		7.00	60.00	1-yr. No. 1		1.70	12.00
Red Lake, 2-yr. No. 1		16.00		1-yr., in 10,000 lots			10.00
Red Lake, 1-yr. No. 1		12.00		VICTORIA RHUBARB			
GOOSEBERRIES				Whole Roots			
Downing, 2-yr. No. 1		25.00		1 1/2-in. and up		8.00	75.00
Houghton, 2-yr. No. 1		25.00		1 to 1 1/2-in.		5.50	50.00
Champion, 2-yr. No. 1		25.00		3/4 to 1-in.		4.00	35.00
BLUEBERRIES				1/2 to 3/4-in.		3.00	25.00
Prices of Rancocas, Rubel, Jersey				RED RHUBARB			
2-yr., 9 to 12 ins., bearing age	\$0.40	\$3.50	\$32.50	Canada Red, No. 1 divisions		40.00	350.00
3-yr., 12 to 18 ins., bearing age	.55	5.00	47.50	McDonald, No. 1 divisions		30.00	250.00
4-yr., 18 to 24 ins., bearing age	.75	7.00	67.50	HORSE-RADISH			
				Cuttings, 4 to 6 ins.		3.00	20.00
				Whole Roots		5.00	40.00

Write for Special Quotations on Quantity Lots.

### PLAN CHICAGO TREE TAX.

The Chicago city council has voted to place on the November 7 ballot a proposal to increase real-estate taxes by one-twentieth of a cent to finance a program to remove and replace dead or damaged trees. The additional income from such a tax is estimated to provide \$4,000,000 a year for that purpose.

The city would be saved thousands of dollars annually now paid for damages resulting from falling trees or branches, according to Ald. John J. Duffy. Under the proposed program, the city's accumulated backlog of dangerous trees would be cleaned up in four or five years, he asserts.

OWENSBORO, Ky., and Evansville, Ind., are the two locations chosen by L. N. Hoople, of Rockport, Ind., for his sales lots. He will specialize in broad-leaved evergreens for the Ohio river valley.

SALE of the Ohio Nursery Label Co., P. O. Box 677, Elyria, O., to Robert A. Dickinson has been announced by the former owner, William E. George, who is retaining only an interest in the firm's plastic label.

## 20,000 SHADE TREES

Norway Maple  
Schwedler Maple  
American Elm  
European Sycamore  
Scarlet Oak  
Pin Oak

For fall delivery. Attractive prices. Come and make your selection.

### CALL'S NURSERIES

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### SPECIMEN HEMLOCKS

3 to 5 1/2 ft.

### SUNNYVIEW NURSERIES

Geo. Colmorgen

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## ATTENTION

### LANDSCAPE ARCHITECTS!

We offer a small quantity of *Juniperus Burki* and *Keteleeri* in 10 and 12-year-old specimens. Extra-heavy, 5 to 6 and 6 to 8 ft.; also *Juniperus Stricta*, 5 to 6 ft., well sheared and many times transplanted.

Koster Juniper, spreaders, 4 to 6 ft.

Mugho Pine, 3 to 5 ft.

100 Liquidambar, 2 1/4 to 4-in. caliper.

400 Ash, 1 1/2 to 2-in. caliper.

10,000 Apple and Pear trees, 2 and 3-year, commercial varieties.

EGYPTIAN NURSERY  
& LANDSCAPE CO.  
FARINA, ILL.

The CHRYSANTHEMUM  
CATALOG you cannot afford  
to be without.

WONDERLAND NURSERIES  
Ellerson, Va.

## Imported HOLLAND BULBS

98c per doz.  
Imported  
Holland  
Daffodils  
Narcissus

49c per doz.  
Imported  
Holland Giant  
Crocus

98c per doz.  
Imported  
Holland Tulips

Free Counter Display and  
25 Planting Guide Book-  
lets with every order.

Fast  
Turn-Over  
**40%**  
Profit

300 Tulips	\$24.50
300 Crocus	10.00
50 Narcissus & Daffodils	4.00
<b>Total:</b>	<b>\$38.50</b>
40% DISCOUNT	15.40
Your cost for 650 Bulbs	\$23.10
<b>GOOD PROFIT — COMPETITIVE PRICES</b>	

### OLD ORCHARD GARDENS

WEBSTER GROVES, MISSOURI

## TRADE MEETINGS

### ST. LOUIS ELECTION.

The Landscape and Nurserymen's Association of Greater St. Louis met September 11 at George H. Pring's cottage on the Meramec river near Valley park. Reginald Wilson presided. A barbecue dinner was served for which Tad Pring and Fred Larson were the chefs.

Officers elected for the new fiscal year are Herman Otterman, president; Robert Goetz, vice-president; Fred Larson, secretary, and William Ott, treasurer. Louis Dinsmore and Carl Giebel were elected to 3-year terms on the executive committee.

### NEBRASKA FIELD DAY.

The Nebraska Nurserymen's Association held its annual summer field day September 11 at Plumfield Nurseries, Inc., Fremont, where Lloyd Moffet, Ralph Wier, Gus Gritz-macher and other members of the staff were genial hosts for the day. Most of the Nebraska members were present, some with their wives. Several nurserymen from adjoining states also attended. Among the guests were the state nursery inspector and faculty members from the state agricultural college.

Besides visiting with each other, members and guests toured the fields of the Plumfield Nurseries, watched the performance of a new mist sprayer and a demonstration of a chain saw. President John Baumann, of Beatrice, made a few remarks.

C. W. Andrews, Sec'y.

### CHRISTMAS TREE GROWERS ORGANIZE IN NEW JERSEY.

Twenty-eight members signed a charter September 19 at the Cranbury Inn, Cranbury, for the purpose of organizing the New Jersey Forestry and Christmas Tree Growers' Association as focal point for information about Christmas tree growing and markets. The association will also be concerned with problems relative to growing wood, management and timber marketing.

Officers elected were Col. Frederick Herr, Stanton, president; C. B. Hutchison, Cranbury, vice-president; Donald Dilatush, Robbinsville, treasurer, and Austin N. Lentz, Cranbury, secretary. Mr. Lentz is extension forester at the college of agriculture, Rutgers University. These officers were also appointed to the executive committee.

## BROAD-LEAVED EVERGREENS, CONIFEROUS EVERGREENS, DECIDUOUS MAGNOLIAS, SHRUBS, etc.

Lining-out and finished grades. Quality stock at prices you can afford to pay. Our lists for the season 1950-51 will be mailed promptly upon receipt of your request.

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### ORNAMENTALS TREES    SHRUBS EVERGREENS

Wholesale growers of a  
general assortment for  
the best landscape plantings.

**BRYANT'S NURSERIES**  
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### LAKE'S SHENANDOAH NURSERIES Shenandoah, Iowa.

Wholesale growers of  
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**GENERAL NURSERY STOCK**

Your inquiries will be appreciated.

### NORTHERN-GROWN STOCK

Evergreen Liners  
Specimen Evergreens  
Ornamental Shrubs  
Fruit Trees  
Plum Seedlings  
(Prunus Americana)  
Philadelphia Minnesota Snowflake  
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Send for list.

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Taxus

Juniperus

Magnolias

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### WYOMING NURSERIES

C. E. Kern  
CINCINNATI 15, OHIO



along with Eugene Beyer, Mount Holly.

All officers will serve until a permanent organization is formed when a constitution is adopted during Farmers' week at Trenton, January 29 to February 3.

### KANSAS NURSERYMEN MEET AT COLLEGE.

Eighty-two members of the Kansas Association of Nurserymen attended the summer meeting at Kansas State College, Manhattan, August 29 and 30.

Eugene Wilson, Holsinger Nursery Co., Kansas City, was elected president, succeeding Jay Banta, of L. R. Taylor & Sons, Topeka. Robert McHenry, Hillside Nursery, Wichita, was elected vice-president, and William Burgin, Burgin Nursery, Hutchinson, was elected secretary-treasurer, succeeding Ralph Skinner, of J. H. Skinner & Co., Topeka.

Harold Crawford, of the Willis Nursery Co., Ottawa, discussed winter storage of nursery stock and traced the progressive measures used through the years, from the ancient heel yard, through the storage sheds and caves in common use to modern cold-storage buildings. He stressed the control of moisture, temperature and air circulation in successful storage of nursery stock and offered practical suggestions for retail nurserymen. Mr. Crawford emphasized that nursery stock should not be handled when frozen and should be thawed out as slowly as possible. When nursery stock that is frozen in shipment is received, it should not be unpacked, but should be thawed slowly before it is uncrated.

Prof. J. W. Zahnley, of the department of agronomy, Kansas State College, spoke on weed control in the nursery and recommended that most of the chemicals used for weed control be kept away from ornamental plants. However, some of the chemicals are safe to use in controlling weeds in strawberry beds, and many of the new chemicals are useful in killing undesirable trees in or about the nursery. According to Professor Zahnley, the best weed control program is clean cultivation maintained through the years.

Prof. Charles E. Parks, extension landscape architect, talked about the program of the extension landscape architect and showed the relationship of his program to increased nursery sales to farmers and others in rural areas.

Prof. Paul E. Collins, extension farm forester, explained the farm forestry program in Kansas and

## SPECIMEN EVERGREENS

Three and four times transplanted, sheared and trimmed plants.

Pfitzer Juniper	18 ins. to 3 ft.
Sargent's Green Juniper	15 ins. to 2 ft.
Lee's Goldtip Juniper	3 to 4 ft.
Spiny Greek Juniper	15 and 18 ins.
Hetz Blue Spreading Juniper	8 ins. to 2 1/2 ft.
Pyramidal Silver Colorado Juniper	2 to 4 ft.
Column Blue Colorado Juniper	2 1/2 to 5 ft.
Column Green Colorado Juniper	2 1/2 to 5 ft.
Canaert Juniper	2 1/2 to 5 ft.
Green Globe Juniper	18 and 24 ins.
Dundee Juniper	2 1/2 to 4 1/2 ft.
Black Hills Spruce	3 to 5 ft.
Douglas Fir	2 1/2 to 4 ft.
Brown's Japanese Yew	15 ins. to 2 1/2 ft.
Hatfield Japanese Yew	15 ins. to 2 1/2 ft.
Hicks' Japanese Yew	18 ins. to 3 ft.
Pyramidal American Arborvitae	2 to 4 ft.
French Hybrid Lilacs	3 to 6 ft.
Bechtel's Double, Pink-flowered Crab	4 to 6 ft.
Burr Oak	1 to 2 1/2 ins.

The above-listed evergreens are shapely, heavy plants, grown and dug right for the discriminating plantsman.

The Bechtel Crab and Burr Oak are very straight trees, well branched and excellent for landscape plantings.

We prefer that orders be picked up by truck at the nursery.

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EVERGREENS, VINES and CREEPERS

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TAXUS - ARBORVITAE

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HARDY MUMS AND PHLOX.

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Leading Perennial Growers

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**VIBURNUM TOMENTOSUM**

6 to 9 ins., seedlings  
\$10.00 per 100; \$85.00 per 1000.

**PHOTINIA VILLOSA**

12 to 18 ins., transplants  
\$12.50 per 100.

**NEWPORT NURSERY CO.**  
NEWPORT, MICH.

**WE HAVE IN QUANTITY**

Apple, 2 and 3-yr.  
Pear, 2 and 3-yr.  
Cherry, 1 and 2-yr.  
Plum, 1 and 2-yr.  
Apricot, 1 and 2-yr.  
Peach, 1-yr.

Thurlo Weeping Willow,  
5 to 6 ft., up to 2-in.

Lombardy Poplar, 5 to 6 ft., up to 2-in.

Arborvitae, Pyramidal; Juniperus columnaris, glauca, keteleeri, Hill's Dundee, up to 3 1/2 to 4 ft. Pfitzer Juniper, 15 to 18 and 18 to 24 ins. Austrian and Scotch Pine, heavily sheared, 4 to 5, 5 to 6 and 6 to 7 ft.

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BRIDGEPORT, IND.

**WE OFFER TO THE NURSERY TRADE**

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PEACH, SOUR CHERRIES, ORNAMENTAL  
SHRUBS and LIVING-OUT STOCK.  
Send us your list for quotations  
for Fall, 1950, and Spring, 1951, delivery.

**THE PONTIAC NURSERY CO.**  
ROMEO, MICH.

**AMERICA'S BEST SOURCE  
FOR  
HARDY PLANTS**

WRITE FOR  
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MENTOR,  
OHIO

Wayside



Gardens

mentioned the importance of the farm wood lot program, since farm wood lots make up forty per cent of the forest area of the United States. He told of the responsibility of Kansas nurserymen to furnish low-cost trees for farmstead plantings.

Prof. Ray A. Keen, department of horticulture, gave a short talk on propagation by hardwood and softwood cuttings, in which he suggested the use of mist nozzles to reduce the labor involved in propagation by softwood cuttings. Professor Keen pointed out the importance of food supply, hormones, moisture and aeration in the successful propagation of nursery stock from cuttings.

Seventy-two nurserymen attended the evening banquet, which was followed by musical entertainment and an interesting show by a magician.

Wednesday morning, the nurserymen toured the Kansas state horticultural farm, where they observed the research done with new fruit varieties, rootstocks, orchard investigations, spray materials and equipment, orchard soil management methods, new, promising varieties of fruit and nut trees; small fruits, ornamental plants, Christmas trees and vegetables, as explained by George A. Filinger, Ronald W. Campbell and William F. Pickett, of the horticulture department. Members later toured the Soil Conservation Service nursery and heard its nursery program discussed by A. D. Stoesz and F. P. Eshbaugh, members of the staff, who pointed out the fact that federal nurseries are supplying only half of the stock now used for Soil Conservation Service planting, with commercial nurseries furnishing the rest.

Members were guests of the Manhattan nurserymen at a picnic in the Manhattan city park at noon.

Ray A. Keen.

A 2-WEEK fishing trip on the Cabonga reservation, in Quebec, Canada, was enjoyed last month by Charlie Hess, of Hess' Nurseries, Mountain View, N. J.

REARED in the nursery business, J. Austin Boyd, son of F. C. Boyd, Sr., of the Boyd Nursery Co., McMinnville, Tenn., has left the family firm and moved to Terrell, Tex., where he will operate a wholesale nursery. Before spending three years in the service during World War II, Mr. Boyd was in charge of the firm's southwestern sales territory; since the war, he has been in charge of the mail-order sales department.

**AZALEAS**

Heavy, bushy plants, B&B.

Mollis, Japonica, Ghent,  
Pontica, Mucronulata  
and Viscosa.

	Each	Each	Each
	1 to 4	5 to 24	25 to 100
12 to 15 ins.	\$2.00	\$1.75	\$1.65
15 to 18 ins.	2.25	2.00	1.90
18 to 24 ins.	3.00	2.75	2.50
24 to 30 ins.	4.00	3.75	3.50
30 to 36 ins.	5.00	4.50	4.00
36 to 42 ins.	6.00	5.50	5.00

Mollis Hybrid, Apricot

Glory and Mellow Apricot

(Our introduction).

	2.25	2.00	1.90
12 to 15 ins.	2.25	2.50	2.25
15 to 18 ins.	3.50	3.25	3.00
18 to 24 ins.	4.50	4.25	4.00

Mollis Hybrid, Red King

and Chinese Red

(Our introduction).

	2.50	2.25	2.00
12 to 15 ins.	3.00	2.75	2.50
15 to 18 ins.	4.00	3.75	3.50

**ILEX, B&B.**

Convexa and Crenata

	2.00	1.75	1.65
12 to 15 ins.	2.50	2.25	2.00

Rotundifolia

	1.75	1.65	1.55
12 to 15 ins.	2.25	2.00	1.90
15 to 18 ins.	3.00	2.75	2.50
18 to 24 ins.	4.00	3.75	3.50

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Mention The American Nurseryman when you write.

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## ATTENTION, LANDSCAPERS and NURSEYRIMEN

We have some good specimen stock, some in quantities, in the following.

Mountain Ash, 2 to 4-in. cal.  
Cutleaf Weeping Birch, 6 to 7-in. cal.  
American Elm, 2 to 6-in. cal.  
Chinese Elm, 4 to 8-in. cal.  
Hackberry, 2 to 4-in. cal.  
Hawthorn, in variety, 6 to 12 ft. in height.  
Honey Locust, 2 to 5-in. cal.  
Linden, 2 to 5-in. cal.  
Norway Maple, 4 to 8-in. cal.  
Scarlet Maple (*Acer rubrum*), 4 to 8-in. cal.  
Sugar Maple, 4 to 10-in. cal.  
Pin Oak, 4 to 5-in. cal.  
Red Oak, sizes up to 2 1/2-in. cal.  
Scarlet Oak, 2 to 4-in. cal.  
White Oak, 2 to 4-in. cal.  
Pyramidal Arborvitae, 6 to 10 ft. in height.  
Canaert Juniper, 10 to 12 ft., heavy.  
Dundee Juniper, 8 to 12 ft., heavy.  
Glaucia Juniper, 6 to 10 ft., heavy.  
Silver Juniper, 6 to 10 ft., heavy.  
Irish Juniper, 6 to 10 ft.  
Colorado Blue Spruce, 6 to 10 ft.  
Moerheim Spruce, 6 to 10 ft.  
Black Hills Spruce, 5 to 6 ft.  
Norway Spruce, 6 to 10 ft.  
White Spruce, 6 to 10 ft.

For Cash. Trucks Only.

**CHESTERTON NURSERIES**  
(Linderman's)  
Chesterton, Indiana

## SPECIAL OFFER ON SPECIMEN STOCK

We have the following Junipers to offer in specimen stock in limited quantities:

Scopulorum Pathfinder, 3 to 4 ft.  
Burki, Canaerti, Keteleeri, Glaucia, Dundee, 3 to 5 ft.

Elegantissima, 2 to 3 ft.; Meyeri, 18 to 24 ins.

Extra-heavy, sheared specimens in Keteleeri and Burki, 5 to 8 ft.; Koster Spreaders, 4 to 5 ft.; Stricta Junipers, 4 to 6 ft.

1000 Pfitzer Junipers	Each
15 to 18 ins.	\$2.50
18 to 24 ins.	3.00
24 to 30 ins.	3.50

**EGYPTIAN NURSERY & LANDSCAPE CO.**  
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## DO YOU NEED . . .

Flowering Shrubs  
Shade Trees  
Evergreens  
Lining-out stock  
Phlox or Peonies  
Apples or Plums  
Perennials  
Plum Seedlings

If so, please write for copy of our new wholesale price list.

**SHERMAN NURSERY CO.**  
CHARLES CITY, IOWA

## Coming Events

### MEETING CALENDAR.

For the benefit of state association officers who wish to set the time of midwinter meetings with a minimum of conflict, the following list is given of convention dates already made known. Secretaries of other associations are invited to notify the editor of further meeting dates as soon as they are set.

October 22 and 23, trade fair and design school, Florida State Florists' and Nurserymen's Association, Orange Court hotel, Orlando.

October 25 to 28, American Horticultural Council, Student Union building, Michigan State College, East Lansing.

December 4 and 5, Minnesota State Nurserymen's Association, Dyckman hotel, Minneapolis.

December 6, Western Pennsylvania Nurserymen's Association, Webster Hall hotel, Pittsburgh.

December 6 and 7, Wisconsin Nurserymen's Association, Hotel Schroeder, Milwaukee.

January 2 to 5, 1951, Indiana Association of Nurserymen, Purdue University, West Lafayette.

January 3 to 17, short course for landscape nurserymen, Virginia Polytechnic Institute, Blacksburg.

January 8, Pennsylvania Christmas Tree Growers' Association, Harrisburg.

January 8, Missouri State Nurserymen's Association, Hotel Jefferson, St. Louis.

January 9 and 10, Western Association of Nurserymen, Hotel Jefferson, St. Louis.

January 11 to 13, Iowa Nurserymen's Association, Hotel Kirkwood, Des Moines.

January 15, National Mail Order Nurserymen's Association, Hotel La Salle, Chicago.

January 15, All-America Rose Selections, Inc., Hotel La Salle, Chicago.

January 15 to 18, Illinois State Nurserymen's Association, Hotel La Salle, Chicago.

January 22 to 24, short course for arborists, landscape gardeners and nurserymen, Neil House, Columbus, O.

January 25 and 26, Ohio Nurserymen's Association, Neil House, Columbus.

January 28 to 30, Virginia Nurserymen's Association, Hotel John Marshall, Richmond.

January 31 and February 1, Pennsylvania Nurserymen's Association, Roosevelt hotel, Pittsburgh.

February 2, New Jersey Association of Nurserymen, Trenton.

February 14 to 16, Midwestern chapter of the National Shade Tree Conference, Hotel La Salle, Chicago.

### HOLLY SOCIETY PROGRAM.

The annual fall meeting of the Holly Society of America, Inc., will begin at 2 p. m. October 26 with a

## MIDWEST SPECIALS FINISHED STOCK FALL or SPRING

**PFITZER JUNIPER** Each  
18 to 24 ins., B&B. \$2.75  
24 to 30 ins., B&B. 3.50  
30 to 36 ins., B&B. 4.25

**MAGNOLIA SOULANGEANA  
and NIGRA, with buds**  
2 to 3 ft., B&B. 3.00  
3 to 4 ft., B&B. 4.00  
4 to 5 ft., B&B. 5.00

**JUNIPERUS VIRGINIANA  
GLAUC**  
3 to 4 ft., B&B. 3.50  
4 to 5 ft., B&B. 4.50

**TAXUS CUSPIDATA  
(Spreading)**  
18 to 24 ins., B&B. 3.25  
24 to 30 ins., B&B. 4.00  
30 to 36 ins., B&B. 5.00

**TAXUS HICKSI**  
18 to 24 ins., B&B. 3.25  
24 to 30 ins., B&B. 4.00

**RETINOSPORA PLUMOSA  
AUREA**  
2 1/2 to 3 ft., B&B. 2.00  
3 to 4 ft., B&B. 3.00

**BALD CYPRESS**  
3 to 4 ft., B&B. 2.50  
4 to 5 ft., B&B. 3.50

**PINK-FLOWERING  
DOGWOOD, with buds**  
3 to 4 ft., B&B. 2.75  
4 to 5 ft., B&B. 3.50

**ILEX ROTUNDIFOLIA**  
18 to 24 ins., B&B. 2.00  
**JUNIPERUS GLAUC** HETZI  
18 to 24 ins., B&B. 2.50  
24 to 30 ins., B&B. 3.25  
30 to 36 ins., B&B. 4.00

**PYRAMIDAL ARBORVITAE**  
2 1/2 to 3 ft., B&B. 2.50  
3 to 4 ft., B&B. 3.25

All are full, well shaped plants.

All stock dug with digging forms making sound, exact balls. Truck or carloads only. Can arrange delivery in trailer loads. Prices F.O.B. Makanda, Ill. Eight miles south of Carbondale, Ill.

**H. B. HARTLINE FARM**  
MAKANDA, ILL.  
Telephone: Carbondale, Ill.

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Our Specialty

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Cincinnati 29, Ohio

**BURTON'S**  
HEADQUARTERS FOR  
EVERGREEN GRAFTS, TRANSPLANTED  
EVERGREENS, SHRUB LINERS.  
RARE ITEMS YOU DO NOT  
FIND IN MOST LISTS! Write!  
**HILLTOP NURSERIES**  
CASHTOWN, OHIO



**SEMME, ALABAMA**

Azaleas, Camellias, Gardenias  
and a General Line of  
Ornamental Nursery Stock  
Lining-out Stock Our Specialty  
**WHOLESALE ONLY**

**CHASE OFFERS**

Shrubs  
Conifers  
Broad-leaved Evergreens  
Vines  
Hedge Plants  
Roses  
Lining-out Stock  
Nurserymen's Supplies

1950-51 Trade List Will Be Ready  
Soon.

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CHASE, ALA.

**ROSEBUSHES**

70 Per Cent of a Normal Crop  
Creates a DEMAND that will be  
hard to fill. Send today for price  
list. Over 90 Carefully Selected  
Varieties.

The Best Out of Texas, and That  
Is Not Bragging. Either.

**MARTIN'S ROSE NURSERY**  
Box 155 ARP, TEXAS

**LINING-OUT AND FINISHED STOCK**

Azaleas, Camellias, Magnolias  
and other Ornamentals.

Catalog on request.

**OVERLOOK NURSERIES, Inc.**  
MOBILE, Crichton Sta., ALABAMA

**CAMELLIAS**

New low wholesale prices  
on field-grown, irrigated  
camellias. Also azaleas,  
fruit and pecan trees.

**WIGHT NURSERIES, CAIRO, GA.**

**ROSES**

2-yr. Field-grown.  
Write for list and prices.

**OZARKS PLANT FARMS, Inc.**  
End of S. Jefferson Springfield, Mo.  
(A.A.N. member)

tour of Longwood Gardens, Kennett Square, Pa. At 8 o'clock that evening members of the society will be the guests of John C. Wister, director of the Arthur Hoyt Scott Horticultural Foundation, Swarthmore College, Swarthmore, Pa. Miss Nancy Bowyer, of Stevenson's Florists, Towson, Md., will give a demonstration-talk on "The Use of Hollies as Christmas Decorations," in the Martin building of the college.

The morning of October 27 will be devoted to a business meeting, a tour of the Arthur Hoyt Scott Horticultural Foundation Arboretum and a panel discussion on problems and progress in promoting holly. After luncheon in the cafeteria, H. Gleason Mattoon, holly nurseryman and consulting forester, Narberth, Pa., will talk on "English Hollies, a Problem in Nomenclature." Further details on the program may be obtained from the program chairman, Harry W. Dengler, extension service, College Park, Md.

**PENNSYLVANIA MEETINGS.**

Two events scheduled for Pennsylvania nurserymen this winter are the annual meeting of the Western Pennsylvania Nurserymen's Association to be held at the Webster Hall hotel, Pittsburgh, December 6, and the annual meeting of the Pennsylvania Nurserymen's Association to be held January 31 and February 1, 1951, at the Roosevelt hotel, Pittsburgh. Louis E. Wissenbach, who is secretary of the Western Pennsylvania association, has been appointed chairman of the program committee for the 2-day meeting at Pittsburgh.

**WISCONSIN DATES.**

In accordance with its bylaws, the Wisconsin Nurserymen's Association will hold its annual convention December 6 and 7 at the Hotel Schroeder, Milwaukee. Thomas S. Pinney, secretary, has announced. A meeting of the program committee was held at Milwaukee October 6.

**MISSOURI MEETINGS.**

The Missouri State Nurserymen's Association will hold its annual meeting January 8, in the Ivory room at the Hotel Jefferson, St. Louis, according to Edward W. Ambo, secretary of the association.

The Western Association of Nurserymen will hold its annual meeting in the same room at the Hotel Jefferson, January 9 and 10.

**CHRISTMAS TREES**

Beautiful Red Cedar  
and Yellow Pine

4 to 6 ft., \$60.00 per 100 in  
200 lots, delivered up to 200  
miles. 500 or more delivered up  
to 400 miles. Booking orders now.

**ROLLERS NURSERY**  
ROGERS, ARK.

**HEAVY 2-YR. SHRUBS  
FRUIT TREES****SPECIMEN EVERGREENS****LINING-OUT STOCK****SNEED NURSERY COMPANY**

P. O. Box 798  
Oklahoma City 1, Okla.

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Conifers, Broadleaves,  
Container and Liner  
Stock.

**VERHALEN NURSERY CO.**  
SCOTTSVILLE, TEXAS

Your Profits Grow in  
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**CHARLES SIZEMORE  
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319½ Georgia St., Louisiana, Mo.

Loss and damage claims against  
railroad and express companies  
collected.

Freight bills audited.

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Well known to the nurserymen  
of the country.

Reference: Bank of Louisiana.

**SEMME  
NURSERIES**

AZALEAS - CAMELLIAS  
and other choice evergreens

Wholesale Catalog SEMMES, ALA.

**TWO-YEAR, FIELD-GROWN ROSES**

Write for wholesale list, Hybrid Teas,  
Polyanthas and Climbers.

Good roses since 1920.

Ask any one we serve.

**ROSE LAWN NURSERIES**  
WINNSBORO, TEXAS

## A. A. R. S. TO MEET.

Members of All-America Rose Selections, Inc., will meet January 15 at the Hotel La Salle, Chicago. W. R. Hastings, secretary of the group, has announced that the meeting will start at 9 a. m.

## OHIO SHORT COURSE.

The 1951 short course for arborists, landscape gardeners and nurserymen will be held January 22 to 24 at the Neil House, Columbus. It will be under the direction of Dr. L. C. Chadwick, of the department of horticulture, Ohio State University, which sponsors the 3-day event annually.

## VIRGINIA DATES.

The dates for the 3-day winter meeting of the Virginia Nurserymen's Association have been set, A. S. Gresham, Jr., secretary, announces. Members will meet January 28 to 30 at the Hotel John Marshall, Richmond.

## NEW JERSEY MEETING.

The executive committee has decided to hold the winter meeting of the New Jersey Association of Nurserymen February 2 at Trenton. According to R. P. Korbobo, association secretary, a full program will be planned for the one-day meeting to be held during Farmers' week.

## MIDWEST TREE MEET.

February 14 to 16, members of the Midwestern chapter of the National Shade Tree Conference will attend the annual meeting at the Hotel La Salle, Chicago. Although the convention last year was not started until noon of the first day, tentative plans are to have the 2½-day meeting start promptly Wednesday morning, states Secretary Noel Wysong.

## OKLAHOMA STUDENT SHOW.

Students of horticulture at Oklahoma A. and M. College, Stillwater, are sponsoring the thirty-fourth annual horticulture show to be held November 18 and 19 in the new Student Union building on the campus.

Everyone is cordially invited to see the free exhibits showing the latest developments made in horticulture within the state. Displays will include flowers, nut trees, vegetables, fruits and ornamentals. Visitors may also take conducted tours through the greenhouses and nursery of the college.

DECIDUOUS SHRUBS, VINES  
and HEDGE PLANTS

## SHIPMENT ANY TIME

	Per 100	Per 1000		Per 100	Per 1000
<i>Cercis Canadensis</i> , 6 to 18 ins. ....	\$ 3.00	\$20.00	<i>Lombardy Poplar</i> , 18 to 24 ins., C. ....	\$ 4.00	\$35.00
18 to 24 ins. ....	4.00	35.00	2 to 3 ft., C. ....	6.00	50.00
2 to 3 ft. ....	6.00	50.00	3 to 4 ft., C. ....	10.00	90.00
<i>Spiraea Vanhouttei</i> , 6 to 18 ins., liners. ....	3.00	30.00	4 to 6 ft., C. ....	30.00	...
12 to 18 ins., br. ....	7.50	60.00	<i>Hydrangea Peegee</i> , 6 to 18 ins., C. ....	10.00	90.00
18 to 24 ins., br. ....	15.00	...	18 to 24 ins., C. ....	20.00	...
<i>Spiraea Callosa Rosea</i> , 6 to 18 ins., S. ....	3.00	25.00	<i>Hydrangea Arborescens</i> , 6 to 18 ins., C. ....	6.00	50.00
18 to 24 ins., br. ....	10.00	...	18 to 24 ins., br. ....	20.00	...
<i>Abelia Grandiflora</i> , 6 to 12 ins., C. ....	10.00	90.00	<i>Hall's Jap. Honeysuckle</i> , liners ....	1.25	10.00
12 to 18 ins., C. ....	15.00	...	<i>Vinca Minor</i> , liners ....	1.00	8.00
<i>Calycanthus Floridus</i> , 12 to 18 ins., S. ....	4.00	35.00	2-yr. clumps ....	4.00	35.00
18 to 24 ins., S. ....	7.50	60.00	<i>Amur River North Privet</i> , 6 to 18 ins., C. ....	2.00	17.50
<i>Buddleia Magnifica</i> , 18 to 24 ins., S. ....	7.50	70.00	12 to 18 ins., Tr. ....	5.00	40.00
18 to 24 ins., br. ....	15.00	...	18 to 24 ins., Tr. ....	6.00	50.00
<i>Weigela Nana</i> , Pink, 12 to 18 ins., C. ....	7.00	60.00	<i>Amur River South Privet</i> , 6 to 18 ins., S. ....	.50	3.50
18 to 24 ins., C. ....	10.00	90.00	18 to 24 ins., S. ....	1.00	6.00
<i>Weigela Rosea</i> , 6 to 18 ins., C. ....	3.00	25.00	18 to 24 ins., Tr. br. ....	2.00	15.00
12 to 18 ins., Tr. ....	10.00	...			

## McMINNVILLE TREE CO.

BOX 125

McMINNVILLE, TENN.

## WE OFFER FOR FALL, 1950

*Cornus Florida*, 3 to 4 ft., 2-yr., \$20.00 per 100  
*Cercis Canadensis*, 3 to 4 ft., \$15.00 per 100  
*Althaea Ardens*, 12 to 18 ins., \$30.00 per 1000  
*Cydonia Japonica*, 12 to 18 ins., \$12.00 per 100  
*Amur River South Privet*, 2 to 3 ft., 2-yr., \$2.00 per 1000  
*Weigela Lutea*, Yellow Flower, 12 to 18 ins., 2-yr. tr., \$12.00 per 100.

## Broad-leaved Evergreens

*Abelia Grandiflora*, 12 to 18 ins., \$15.00 per 100  
*Euonymus Japonica*, 12 to 18 ins., 2-yr. tr., B.R., \$1.25 each  
*Euonymus Japonica*, 12 to 18 ins., 2-yr. tr., B&B, \$1.75 each  
*Euonymus Patens*, 12 to 18 ins., 1-yr. tr., B.R., \$1.00 each

## O. H. PERRY NURSERY CO.

Box 545

McMinnville, Tenn.

Telephone 1402

**Boyd**  
 NURSERY COMPANY

## FOR FALL DELIVERY 1950

Our Specials in Lining-out Stock Include:  
 Pink-flowering Dogwood    Evergreens    Hedge Plants  
 Flowering Shrubs  
 Shade Trees and Vines  
 Inc., McMinnville, Tenn.

Trade list mailed on request.

## GRAFTERS

*Chinese Arborvitae*, seedlings, 1/8 to 3/8-in. caliper,  
 \$0.05 each; \$45.00 per 1000.  
*Juniperus Virginiana*, seedlings, 1/8 to 3/8-in. caliper,  
 \$0.10 each; \$95.00 per 1000.

LUKE NURSERY

PAULS VALLEY, OKLA.

## WE OFFER FOR FALL SHIPMENT NURSERY-GROWN STOCK

<b>Tsuga Canadensis.</b>		
<b>Ilex Opaca.</b>	Per 100	Per 1000
6 to 9 ins., tr. xx.....	\$ 9.00	\$ 80.00
9 to 12 ins., tr. xx.....	13.00	120.00
12 to 15 ins., tr. xx.....	16.00	150.00

<b>Abelia Grandiflora.</b>		
<b>Hydrangea Poniculata Grandiflora.</b>		
6 to 12 ins., 1-yr., C....	7.00	65.00
12 to 18 ins., 1-yr., C....	11.00	100.00
18 to 24 ins., 2-yr., br....	15.00	....

<b>Cornus Florida.</b>	Each	
2 to 3 feet, well br.....	\$0.20	
3 to 4 feet, well br.....	.30	
4 to 5 feet, well br.....	.45	

<b>Native Shrubs and Evergreens</b>		
<b>Tsuga Canadensis.</b>	Per 100	Per 1000
3 to 6 ins., s.....	\$0.75	\$ 6.00
6 to 9 ins., s.....	1.50	10.00
9 to 12 ins., s.....	2.50	20.00
12 to 18 ins., s.....	4.00	35.00
18 to 24 ins., s.....	6.00	55.00

<b>Ilex Opaca.</b>		
<b>Rhododendron Maximum.</b>		
<b>Kalmia Latifolia.</b>		
3 to 6 ins., s.....	2.00	15.00
6 to 9 ins., s.....	3.00	25.00
9 to 12 ins., s.....	4.00	35.00
12 to 18 ins., s.....	5.00	45.00
18 to 24 ins., s.....	6.50	60.00

<b>Kalmia Latifolia.</b>	Each	Each
<b>Rhododendron Maximum.</b>	per 10	per 100
12 to 18 ins., heavy br....	\$0.20	\$0.15
18 to 24 ins., heavy br....	.25	.20

<b>Azalea Calendulacea.</b>		
<b>Azalea Nudiflora.</b>		
12 to 18 ins., liners.....	.07	
12 to 18 ins., heavy br....	.12	.10
18 to 24 ins., heavy br....	.17	.15

**CUMBERLAND PLATEAU NURSERY**  
YORK ROUTE CROSSVILLE, TENN.

## FOR LIVING FENCES

**Rosa Multiflora Japonica**

	Per 1000	
9 to 12 ins.....	\$18.00	
12 to 18 ins.....	25.00	
18 to 24 ins.....	35.00	

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Route 1, Box 80  
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## COMPLETE ASSORTMENT OF

Evergreens, Fruit Trees, Shade  
Trees, Roses and Lining-out Stock.

Write for complete list.

**ONARGA NURSERY CO.**  
ONARGA, ILL.

## OBITUARY

**E. Everett Rockefeller.**

E. Everett Rockefeller, retired president of F. A. Guernsey & Co., Inc., Schoharie Nurseries, Schoharie, N. Y., died September 15 at his home, after a lingering illness. He was 75 years old.

Born at Howes Cave, N. Y., Mr. Rockefeller moved to Schoharie about fifty years ago and became a member of the Guernsey firm, where he specialized in the growing of fruit trees and evergreens. He retired from the presidency in July, 1950. He was active in the affairs of the Community church, the local Boy Scout group and the Schoharie Valley Lodge.

Mr. Rockefeller is survived by his widow, Lillian; two sons, Edward, of Valley Stream, N. Y., and Myron, of Glen Rock, N. J., and a daughter, Mary Ellen, of Wyncote, Pa.

**Mrs. Edith L. Baumhoefener.**

Mrs. Edith L. Baumhoefener, wife of the founder of the Baumhoefener Nursery, Cedar Rapids, Ia., died September 15 at a local hospital. She was 68 years old.

Born in Johnson county, Iowa, in 1882, she was married in 1905 to August J. Baumhoefener. She lived at Cedar Rapids for forty years and was an active member of the First Lutheran church.

Mrs. Baumhoefener is survived by her husband; a son, J. Carl, who operates the nursery; two daughters, Mrs. Kenneth Fry, Garrison, Ia., and Mrs. William Mineck, Cedar Rapids; four sisters; a brother, and six grandchildren.

**Clark Gardner.**

Clark Gardner, 77, owner of the Gardner Nursery Co., Osage, Ia., died September 8 at his home, where he had been confined to his bed for the past eighteen months.

Born November 17, 1872, at Osage, to Charles and Emma Gardner, Clark Gardner attended Osage high school and Cedar Valley Seminary. In 1898 he married Grace Bush, daughter of the late Prof. Alva Bush, founder of Cedar Valley Seminary. For many years Mr. Gardner had been president of the nursery firm that his grandfather, Nathaniel C. Gardner, founded at Osage in 1857.

Besides his widow, Mr. Gardner is survived by a daughter, Mrs. Bertha Woehle, St. James, Minn.; a

## NORTHERN STOCK

Fall shipment, now until November 1. Grown in the open, without shade. There may be as good, but none better. Write for prices on 10,000 or over, 500 at 1000 rate.

### TRANSPLANTS

<b>American Arborvitae,</b>		
4-yr., 12 to 15 ins., Per 100	Per 1000	
heavy .....	\$15.00	\$125.00
4-yr., 8 to 12 ins.....	10.00	90.00
<b>Colorado Blue Spruce,</b>		
4-yr., 4 to 6 ins.....	12.00	100.00
<b>White Spruce,</b>		
4-yr., 4 to 6 ins., heavy	10.00	90.00

### SEEDLINGS

<b>American Arborvitae,</b>		
3-yr., 4 to 8 ins.,		
heavy .....	30.00	
<b>Black Hills Spruce,</b>		
2-yr., 2 to 4 ins.....	2.50	20.00
<b>Colorado Blue Spruce,</b>		
3-yr., 4 to 6 ins., heavy	3.50	30.00
<b>Mugho Pine, 3-yr., sheared</b>		
to 4 ins.....	30.00	
<b>Norway Spruce,</b>		
3-yr., 4 to 8 ins., heavy	3.50	30.00
2-yr., 2 to 4 ins.....	3.00	25.00
<b>Scotch Pine,</b>		
2-yr., 4 to 6 ins.....	25.00	
<b>White Pine, Wisconsin,</b>		
3-yr., 4 to 6 ins.....	25.00	

Cash with order, or satisfactory reference. Satisfaction guaranteed.

**J. R. PALMER & SON**  
BLACKDUCK, MINN.

## SPECIALTY ITEMS

From the Center of the South

<b>Red Barberry, 4-yr. trpl.,</b>	Each	
15 to 18 ins., .....	\$0.25	
Bushy, 18 to 24 ins.....	.35	
<b>Flowering Crab, 2-yr. grafts,</b>		
5 to 6 ft.....	.65	
Hopa and Eleyi, 4 to 6 ft.....	.50	
<b>Tree Wistaria, 3 to 4 ft.....</b>	3.00	
Staked Plants, 2 to 3 ft.....	2.25	

**THE Southern**  
Nursery & Landscape Co., Inc.  
Est. 1872  
WINCHESTER, TENNESSEE

## COLLECTED PLANTS AND VINES

For Potting and Lining-out Stock.

### COLLECTED FERNS

<b>Cinnamon Fern</b>	<b>Marginal Shield Fern</b>
<b>Royal Fern</b>	<b>Hay-scented Fern</b>
<b>Christmas Fern</b>	<b>Maidenhair Fern</b>

We offer these Fern roots, all varieties, at \$10.00 per 1000, in either large or small quantities.

### VINES

<b>Lonicera Jap. Halliana</b> (Hall's Japanese Honeysuckle), lining-out grades only.	
	Per 1000
6 to 12 ins. liners.....	\$3.50
12 to 18 ins. liners.....	4.00
18 to 24 ins. liners.....	5.00

### NOLERIDGE NURSERIES

P. O. Box 26 McMinnville, Tenn.

## 30,000 Potted Taxus Liners

1, 2 and 3-year.

**Welgela Eva Rathke, transplants.**  
**Viburnum Rhytidophyllum.**

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**NEW  
UTILITY  
BLEND**

Developed after extensive tests for a quality lawn seed in the medium price range. Works wonders in all soils, sunshine or shade. Available in 1, 2 and 5-lb. packages; 10, 25 and 50-lb. bags.

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You can't sell finer lawn seed—than Wonderlawn and Wonderlawn Utility—at any price!

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SEEDS—PLANTS—BULBS**

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**SEEDS**

**Collectors of Tree, Shrub and  
Wild Flower Seeds**  
*Crude Drugs and Ornamentals*

**E. C. MORAN Stanford, Mont.**

**PRONOUNCING DICTIONARY  
of Plant Names**

64 pages, 3000 names, 25¢ per copy  
American Nurseryman Chicago 4.

son, Robert, Osage; one sister; one foster sister, and three grandchildren.

**William P. Muse.**

William P. Muse, 43, nurseryman and operator of Bill Muse's Home Rose Service, Durham, N. C., was killed September 19 when he fell from a tree which he was inspecting prior to spraying it as a protection against caterpillars.

**PETER HENDERSON, JR.**

Newly elected vice-president of Peter Henderson & Co., seedsmen, New York, is Peter Henderson, Jr., great-grandson of the founder. He will be in charge of personnel and promotional operations for the company. The announcement was made by John Feisler, president, after the yearly stockholders' meeting held recently at Jersey City, N. J.

Mr. Henderson has been associated with the firm for two years, and he is the fourth generation to be associated with Peter Henderson & Co., since it was organized in 1847. The new vice-president is a graduate of Yale University, and he has studied horticulture at the Long Island Agriculture and Technical Institute.

**TRADE-MARK  
INFRINGEMENT.**

Infringement of the trade-mark "Scotts," registered and used by O. M. Scott & Sons Co., Marysville, O., for more than seventy-five years, was ruled by Judge William T. McCarthy, of the United States District court, Boston, Mass., in a case against Leslie N. Harvey, nurseryman at Leominster, Mass. Mr. Harvey was permanently enjoined from the use of this trade name on grass seeds and other lawn and garden products and equipment.

Through its attorney, the plaintiff company asserted that the defendant had sold seeds of inferior quality to a landscape gardener at Fitchburg, Mass., and represented them as "Scotts seeds." The complainant claimed that the misuse of the company's trade name was especially harmful in Massachusetts where the firm has more than 100 authorized dealers, including representation at Leominster and Fitchburg, where the defendant operates.

NEWLY certified is the Almand Nursery at Rocky Mount, N. C., owned by C. A. Almand, who also owns Almand's Drugstore there.

**Nurserymen**

*...profit  
three ways  
with*

**FILCOAT\***

**1** *Save half your  
transplanting costs*

**2** *Get healthier plants  
... faster*

**3** *Get more high quality  
salable plants  
per planting*



**FILCOAT** coated (pelleted) seed quickly absorbs sufficient moisture to disintegrate allowing FILCOAT coated seed to start germination immediately. Other coatings, impervious to water, have a tendency to bind the seed and retard or prevent germination.

**FILCOAT** coating is the ideal carrier for the various chemicals that are used to protect and stimulate seeds. It is a proven formula, approved by farm and agricultural experimental stations and proven in small and large-scale growing operations under all growing conditions in all states of the United States and in many foreign countries.

Get better customer satisfaction. Put FILCOAT coated seeds in your seed racks. Now distributed nationally by Associated Seed Growers Inc. and Germain's Inc.

**WRITE US FOR FULL INFORMATION**

*Agricultural Division*

**FILTROL CORPORATION**

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## CHERRY TREES

For the first time in ten years we are able to offer to the trade a complete list of both **1-year and 2-year Sweet and Sour Cherry Trees**. We would appreciate an opportunity to quote you on your needs for the coming season. We feel both you and your customers will be highly pleased with our McClain-grown cherry trees.

We also have a fair surplus in **1-year Peach, 1-year and 2-year Pear and Grapevines**.

### WASHINGTON HEIGHTS NURSERIES

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KNOXVILLE, TENNESSEE

### *Juan R. Congdon Nursery*

#### CONTRACT GROWING A SPECIALTY

Wholesale

Since 1918

NORTH COLLINS, N. Y.

**Grapevines**, 1 and 2 years old

**Blackberries, Currants and Shrubs**

**Black and Purple Raspberries**, Tips and Transplants

**Red Raspberries**, No. 1 and Transplant Grades

Grown in the heart of Erie County, New York,  
one of the largest small fruit sections in the world.

### PEACH-GROWING CONTRACTS

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## Book Reviews

### LANDSCAPE FOR LIVING.

The latest theories and principles of landscape design are presented in a handsome, profusely illustrated book, "Landscape for Living," by Garrett Eckbo, published by F. W. Dodge Corp. as an Architectural Record book with Duell, Sloan & Pearce, at \$10, containing 262 pages, 8x10½ inches.

The author of this book practices landscape design in southern California and heads the firm of Eckbo, Royston & Williams, one of the most outstanding landscape firms in the United States. He teaches landscape design at the University of Southern California at Los Angeles and is concerned with the theory and principles of design.

The book is well illustrated with photographs and drawings from the firm's work, which help clarify the text material and clearly define the author's viewpoint on design. The chapters are divided into four major groupings, "Background," "Theory," "Practice" and "What Next?"

The author has sifted out the sound basic factors of past historical periods which have continued to live and function. A fine attempt has been made to get down in an understandable language the theory of design as it pertains to human activities, a confusing subject which has been well handled.

A section is included on the problems arising among the numerous branches within the private practice field. Mr. Eckbo concludes his book with a viewpoint toward the future, an outlook which this field badly needs.

### ENGAGEMENT CALENDAR.

A gift item for the retail nurseryman who also operates a garden and gift shop is the "Flower Arrangement Calendar for 1951," a spiral-bound, day-by-day engagement record booklet, illustrated with fifty-three black and white photographs of seasonal flower arrangements designed by garden club members. The booklet was compiled by Helen Van Pelt Wilson and is available from the publisher, M. Barrows & Co., 114 East Thirty-second street, New York. Each illustration gives credit to the designer and describes the flowers and accessories used.

A contest has been announced to select the best fifty-five arrange-

ments for reproduction in the "Flower Arrangement Calendar for 1952." This contest will be open to all members of garden clubs. Entries should be received by the publisher before February 1, 1951.

#### A. A. N. PROCEEDINGS.

Members of the American Association of Nurserymen have received copies of the proceedings of the association's seventy-fifth annual convention held July 16 to 20 at Washington, D. C.

Speeches and committee reports are featured in the 187-page book, which also includes portraits of officers and a copy of the association's bylaws. Also given are a copy of the association's certificate of incorporation, a list of officers and committeemen, a list of convention cities and past presidents, a list of chapter delegates to the recent convention and a list of members by states. Appendixes include a history of the National Arboretum at Washington, D. C., the program of the past presidents' banquet and descriptions of fifty-four newly introduced plants listed by the A. A. N.'s woody plant register.

#### THE LILY YEARBOOK.

The 1950 edition of "The Lily Yearbook," like its two predecessors, is directed primarily to the members of the North American Lily Society. The contents of the forty articles are varied and informative for the reader who has a real interest in lilies.

Authors of the articles include plant scientists, commercial lily producers and a score of lily fanciers and hobbyists. Topics covered include explorations for native lilies, treatises on several lily species, hybridization, research investigations into soil conditions for growing lilies and back-yard experiences in growing lilies in various parts of the world.

The yearbook also includes organizational information, including a report of the 1949 annual meeting of the North American Lily Society, the constitution and bylaws of the society and a membership list. The editor of the 155-page book is George L. Slate. Annual members of the North American Lily Society pay dues of \$3 per year, and the secretary of the organization is Robert B. Rappleye, of the department of botany, University of Maryland, College Park, Md.

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# "Plant America" Progress

## SOUTH DAKOTA MEETING.

Nurserymen of South Dakota initiated their "Plant South Dakota" program September 27 to 29 in co-operation with other organizations of allied interests at a 3-day meeting.

Although the first day's sessions were devoted to business issues, the rest of the meeting revolved around the subject of what state organizations and local groups are doing to plant South Dakota. Thursday morning the nurserymen and their guests heard talks about tree plant and soil conservation, from A. L. Ford, of the Soil Conservation Service, Huron; South Dakota state parks, Mr. Woodward, Pierre; upland game protection, Mr. Beau, Pierre; experimental work which will aid planting, S. A. McCrory, department of horticulture and forestry, South Dakota State College, Brookings; the work of the South Dakota forestry council, E. K. Ferrell, also of the college, and South Dakota's state highways and their program, from the secretary of the state highway department.

In the afternoon representatives from four selected garden clubs described club activities that have helped the "Plant South Dakota" program. The farmer's part in a conservation program was told by Lawrence Elsinøer, of Dell Rapids Nurseries, Dell Rapids; fruits that every home could have, by Mr. Chambers, Rapid City, and farmstead improvement, by Mr. Maxon, of South Dakota State College.

Friday morning a round-table panel discussion was held. Participants included a representative from the South Dakota Nurserymen's Association; Mr. Sanderson, president of the Crop Improvement Association; Ross Daves, of the state soil conservation service, and H. N. Dybvig, of Dybvig Nursery, Colton, president of South Dakota Horticulture Society. Reports from the various garden clubs concluded the meeting.

## MEETING AT SEATTLE.

Richard P. White, executive secretary of the American Association of Nurserymen, was welcomed to Seattle, Wash., September 5, for a special "Plant America" meeting sponsored by the Washington State Nurserymen's Association. The event

brought together nurserymen and representatives of schools and garden clubs from three states and Canada. At the meeting it was announced that Gov. Arthur B. Langlie, of Washington, had recently signed a proclamation making the state one of those joining in the effort to further the "Plant America" program. Similarly, William F. Devin, mayor of Seattle, announced that from now on the city would have a "Plant Seattle" program.

After the dinner, talks were given by a number of nurserymen and others interested in promoting the "Plant America" program. Included among the speakers were Al Rochester, city councilman of Seattle; Robert Beam, of the May Nursery Co., Yakima; William Shaw, head of the state department of horticulture; Howard P. Quadland, director

of public relations for the A. A. N., and C. Bert Miller, of the Milton Nursery Co., Milton, Ore., A. A. N. board member for region 6.

In his talk, Mr. White stressed the need for greater enterprise on the part of nurserymen in displaying their stock before the public in as many places as possible. He asserted that Seattle businessmen were on the right track in using planting boxes in front of their stores, but he pointed out that there were many other opportunities for stressing the theme, which had been overlooked. Later in his talk Mr. White told how the "Plant America" program had been conceived and how it was fulfilling a definite need in coordinating various local and national plant-

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Pear, 1 and 2-yr., Dwarf and Standard.

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ing programs. Other activities of the A. A. N., including work on controlling importation of foreign plants and data about the Blue Star highway memorial markers, were also described. C. W.

#### PROMOTION PLANS.

Since the convention of the American Association of Nurserymen, where Howard P. Quadland, publicity director, gave a stimulating report of the progress that the national "Plant America" program had made within the past year, more and more state organizations have planned active participation this fall. Minnesota, Oklahoma, Georgia, Florida, Washington, Oregon, Ohio and Connecticut have all reported home state projects, and the United States Department of Agriculture has distributed the A. A. N. pamphlet to all of the states for the "Plant America" home projects to be held on special "Plant America" days. This pamphlet includes description of the demonstration project in Massachusetts in which the state extension service and the nurserymen landscaped and planted a home area in two hours.

Ever alerted to the nurserymen's needs in promoting these plant programs, the national headquarters is prepared to help anyone initiate a local "Plant America" project, whether its purpose is to plant and beautify public grounds, to promote the use of more shade trees or to instigate more home plantings. To all newspapers in those regions where fall planting is promoted, the publicity bureau of the A. A. N. is sending a series of articles on "Plant America" and about general planting do's and don't's. "Plant America" decalcomanias in dark green color with a narrow gold outline are available, along with the white, green and gold A. A. N. seal, for all members of the association who wish to publicize their trade-mark of quality and dependability and their organization's "Plant America" program.

AFTER spending four years with Coe, Converse & Edwards Co., Robert J. Hemlock has started his own business under the name Wild Acres Nursery, at Whitewater, Wis.

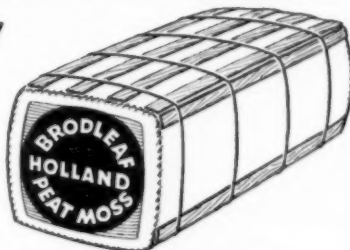
NEWLY employed in the production department of the Breedlove Nurseries, at Tyler, Tex., is Robert Womack, former manager of the Stuart Nursery, Desdemona, Tex. O. L. Womack is the new manager of the Stuart firm.

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7 to 10 mm.....	7.00	65.00
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RHUS Cotinus (Smoke Bush).....	4.00	35.00
ACER Negundo, 1-yr., 1 to 2 ft.....	3.00	25.00
VIBURNUM Lantana, 1-yr., 1 to 2 ft.....	2.00	15.00
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Standard ROSES on rugosa, first quality.....	100.00	900.00
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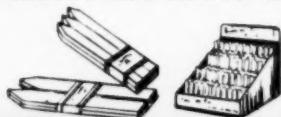
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## AMERICAN NURSERYMAN

### SAN DIEGO DINNER.

Eighty members of the San Diego chapter of the California Association of Nurserymen attended an Armenian shish-kabob dinner September 21 at the home of the chapter secretary, Al Harutunian, of the San Diego Fertilizer Co. Special guests were William S. Clark, of Germain's, Inc., Van Nuys, and Elmer J. Merz, Sacramento, president and executive secretary, respectively, of the state association.

Highlighting the evening program was the installation of officers, with Walter Andersen, of Walter Andersen Nursery, San Diego, succeeding Preston Hodges, of the Highland Nursery, National City, as president. Future state and local legislation were discussed, and tentative plans were made to hold a business meeting October 19.

Al Harutunian, Sec'y.

### SAN JOAQUIN ELECTS.

The first meeting of the San Joaquin Valley chapter of the California Association of Nurserymen to be held this fiscal year was at Fresno, September 7, at the Fort Washington Golf Club, with President Wilbur Wilhelm, of Dinuba Nursery, Dinuba, presiding.

Officers elected for the ensuing year were Virgil Cripe, Del Rancho Fortuna, McFarland, president; George Goodhue, Goodhue Gardens, Fresno, vice-president; Ivan Stribling, Stribling Nurseries, Merced, secretary-treasurer; Willis Stribling, Stribling Nurseries, Merced, first director, and Cliff G. Oliver, Chimo-Oliver Nursery, Fresno, second director.

Syd Whitehorn, Fresno, then president of the state association, presided at the installation ceremony of the chapter officers and presented a membership report in which he mentioned that the San Joaquin chapter led other chapters with its twenty-five per cent increase in membership. Two new members, David Wilson, of the David Wilson Nursery, Modesto, and Herbert Yoshida, of the Herbert Yoshida Nursery, Fresno, were accepted.

Willis Stribling presented the program for the state convention at Santa Cruz, September 12 to 14, and everyone participated in a discussion concerning the establishing of a state licensing board that would require qualification by examination before anyone could receive a new nursery license. Members of the chapter favored such action and instructed their convention delegates



to vote accordingly. The business session concluded with the announcement that the next meeting would be held at Fresno, October 19, with Andrew Caglia, of Andy's Nursery, as host. Afterward the nurserymen and their guests, including Al Spann, of Monrovia Nursery Co., and Lee Davidson and Robert Hoen, of the Pacific Guano Co., enjoyed a buffet dinner.

Ivan L. Stribling, Sec'y.

#### SPONSORS TV SHOW.

Howard & Smith, Montebello, Calif., are believed to have sponsored the first garden program over television in the southern California area. Their TV show, "The World Is Your Garden," is seen over KFI-TV every Friday afternoon at 3:30 and was first televised in April, 1949, when there were 71,000 television sets in this area. Today there are 669,000 television sets operating in southern California.

A portion of the sales receipts from certain of its named rose varieties are donated by Howard & Smith to national charities. Five per cent of the receipts from wholesale sales of Babe Ruth, a salmon-colored rose, introduced by the firm for 1950, go to Kids of America, a foundation fighting cancer among children. The same percentage from sales of Hedda Hopper, an introduction for fall, 1951, will go to charity selected by the famous Hollywood columnist after whom the rose was named. Similar contributions also are planned by Howard & Smith for future introductions. A. K.

SEPTEMBER 15 Nancy Teufel, daughter of Mr. and Mrs. George Teufel, of the George Teufel Holly Farm, Portland, Ore., was married to Martin Smidt.

HOMER L. WITT, of Homer L. Witt Nursery, San Gabriel, Calif., celebrated his nursery's fourth anniversary with a 3-day sale, September 29 to October 1, featuring imported Holland tulip bulbs which had just arrived by boat the week of the sale.

ANNOUNCEMENT has been made of the sale of the Wallace Florist Shop, Wallace, Ia., to E. A. Clizer, owner of Clizer's Flower Shop, who will combine the two shops under the firm name of Clizer's-Wallace Florist. Mr. and Mrs. Peter Blum, former operators of the Wallace Flower Shop, will continue to operate their greenhouse at Osburn and their nursery business.



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## COVER ILLUSTRATION.

### Syringa Microphylla.

Few shrubs have gained the popularity of the lilacs through the years. Showing considerable variation in size, habit of growth, foliage and flower, the lilacs find extensive use in landscape plantings.

One of the species that has attracted some attention during the past few years, although not yet common in the trade, is *Syringa microphylla*, the littleleaf lilac. This species is one of the smallest of the lilacs, attaining a height of about six feet at maturity. It is bushy in its habit of growth, often becoming broader than high.

The generic name, *syringa*, comes from the Greek word *syrinx*, meaning pipe, which apparently has little application to the lilac. The specific name, *microphylla*, means little leaf, as the common name implies. The native habitat of the littleleaf lilac is northern China, and the species was introduced in 1910.

The leaves of *Syringa microphylla* are small, from one-half to one and one-half inches long, ovate to broad-ovate in outline, short-pointed at the tip and more or less rounded at the base. The leaves are somewhat hairy on the underside.

The flowers of this species are pale lilac in color and borne in loose panicles in early to mid-May at Columbus, O., coinciding in bloom with *Syringa vulgaris*. The individual florets are small, and the panicles average about two to three inches long. One of the interesting features of this species is that it frequently bears some flowers in the autumn.

The cultural requirements of all the lilacs are much the same. They prefer a soil that is not strongly acid. If the soil tests below pH 6 or 6.5 the plants will usually respond to an application of agricultural ground limestone. One of the cultural factors often overlooked with lilacs is that they should be planted in well drained soil. Growth and bloom are inferior in poorly drained soil. Plant lilacs in a sunny location with good air circulation.

Some pruning will be required. Remove excess sucker growth and practice a gradual renewal system of the entire plant. Remove the old flower clusters as soon after the bloom has ceased as possible.

Several pests are troublesome. Among the most important are scale, borers, mildew and tip blight. Dormant miscible oil has been the standard recommendation for scale control. More recently, Elgetol, one per

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(Oregon-Washington Holly-Grape)

A very beautiful evergreen shrub with large, glossy leaves and yellow flowers appearing conspicuously in spring and followed by dark blue berries. A most satisfactory broad-leaved evergreen for any place in the United States.

1-yr. seedlings, field-grown, row run,  
\$35.00 per 1000; \$5.00 per 100.

No packing charge if check sent with order. All other orders shipped C.O.D. Place your orders now for Fall, 1950, or Spring, 1951, delivery.

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We pay shipping costs on lining-out stock to all points in the United States, Canada and Alaska. No packing charge is made on either lining-out or balled stock.

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Pioneering Seedling Growers on  
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We have French and domestic Apple Seedlings, French and Bartlett Pear Seedlings, Mahaleb and Mazzard Cherry, Myrobalan and American Plum, Angers Rooted Quince Cuttings, Chinese Elm Seedlings, and English Privet; also Shade and Flowering Trees. For this season, the shade and flowering trees are all sold; however, we are taking orders for fall of 1951 or spring of 1952.

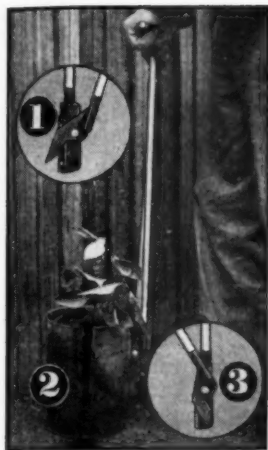
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cent, applied before growth starts in the spring, has been reported as giving better control.

Borers are usually more prevalent in weak plants and those that have been recently planted. Thus plants should be well planted and maintained so that quick, vigorous growth will result. One report indicates that DDT, one pound to five gallons of water, painted or sprayed onto the trunks just previous to the time the adults lay the eggs, will give effective control. Fermate has given fairly effective control of tip blight, and dusting sulphur can be used for mildew.

*Syringa microphylla* will root well from softwood cuttings taken early, as is common with cuttings of other lilacs.

The littleleaf lilac can be used as a border shrub and for group plantings.  
L. C. C.

## CITRUS SCIENTIST RETIRES.

Harry R. Fulton, plant scientist whose research on the cause and control of diseases in citrus and other subtropical fruits has been of major importance in the development of these crops in the United States, retired from the United States Department of Agriculture September 30 after almost thirty-five years of service.

During the past ten years Mr. Fulton has served as special assistant in charge of reports and other manuscripts for the head of the division of fruit and vegetable crops and diseases. He was appointed plant pathologist in the bureau of plant industry, November, 1915. Prior to that he had been a staff member of the Louisiana agricultural experiment station, Pennsylvania State College and North Carolina State College. A native of Mississippi, he is a graduate of the University of Mississippi and holds master's degrees from the University of Missouri and Harvard University.

**CONSTRUCTION** has been started on a building to house a new nursery and florists' shop that Glen L. Conn, of Richmond, Calif., is having built at Montgomery Village, Calif.

**FILTROL CORP.**, Los Angeles, Calif., manufacturer of Filcoat, for coating seeds, is constructing a \$3,000,000 factory at Salt Lake City, Utah. Arthur D. Yates, formerly superintendent of the California factories, will be the manager.



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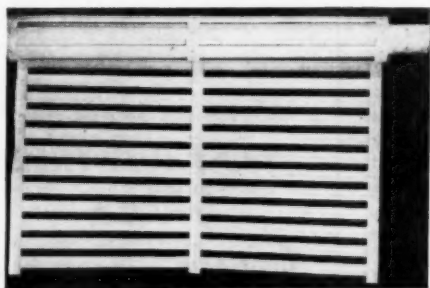
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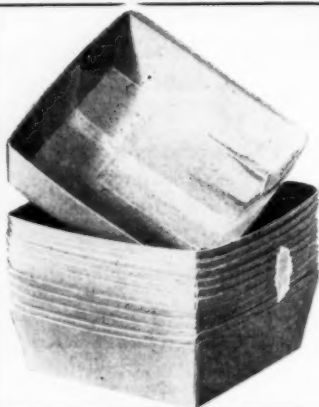
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A fine selected list including patented varieties. Highest quality — all field-grown. Write for list and prices.

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P. O. Box 261 GRESHAM, ORE.

## ON THE TRAIL OF GARDEN ARISTOCRATS.

[Continued from page 11.]

and he therefore approves when he finds one of his hands trying some new experiment. In his seventy-third year, Walter Clarke is still having fun seeking new sources. Smilingly he says he should be considered a professional man since he is certain no doctor or lawyer could have done more studying in their work than he has. But he is the first to admit that he enjoys his work and the world of memories it has given him.

He believes a lot of breaks come the way of the nurseryman if he is only alert enough (or lucky enough) to spot them. Thirty years ago, among a bunch of seedlings that should have all been white, he spied a pink one. By grafting he developed probably his most successful origination, *Raphiolepis indica rosca*. The nursery now propagates over 10,000 a year, but it is still not enough.

Having a special fondness for early-flowering trees, Mr. Clarke has originated or introduced a well known flowering apricot for each of his three daughters, Bonita, Rosemary and Peggy. Mr. Borchers' wife is honored by the flowering peach, *Helen Borchers*.

Mr. Clarke has grown every form of Oriental magnolia, about a dozen of which are his introductions. He is the only supplier of dove tree on the Pacific coast. Central California has proved to be the most successful area in the state in producing florists' roses for the east, and easterners are continually amazed at growers like Clarke, who, in addition to having one-year rose crops, have made tree roses a 2-year proposition by developing the stem and top in one year.

Walter B. Clarke is not one to seek publicity, but his achievements could not fail to draw praise and appreciation. He has been honored both in this country and abroad. He has received the Jackson Dawson memorial gold medal of the Massachusetts Horticultural Society for his achievements in introducing better woody ornamentals in the United States. He has also received five awards of merit from the Royal Horticultural Society of England. Last summer at the California State Nurserymen's Association convention he was honored with the Pacific Coast Nurseryman's cup.

Mr. Clarke is past president of the California Association of Nurserymen and the Central California Nurserymen's Association. He is a

member of the Commercial Club of San Jose and the Elks' Club.

Last year W. B. Clarke & Co. were incorporated, as Mr. Clarke went into semiretirement. But those who know him will tell you that he can be found almost any day at the nursery working on something new, rare or out of the ordinary.

### CATALOGS RECEIVED.

#### WHOLESALE PRICE LISTS.

Bryant's Nurseries, Princeton, Ill.—Perennials, evergreens, flowering shrubs, fruit trees, deciduous shrubs and trees and ornamental vines; 32 pages, 6x9 inches.

Felix & Dykhus, Boskoop, Holland.—Perennials, evergreens, deciduous trees and shrubs and ornamental vines; 32 pages and cover, 7¾x10½ inches.

Flor-Acres, Bridgman, Mich.—Perennials; 6-page folder, 4x8 inches.

D. Hill Nursery Co., Dundee, Ill.—Evergreens and flowering shrubs; 8 pages and cover, 8½x11 inches.

T. Hilling & Co., Chobham, Surrey, England.—Rosebushes; 8 pages and cover, 3¾x8½ inches.

Jewell Nurseries, Inc., Lake City, Minn.—Perennials, evergreens, ornamentals, fruit trees, shrubs and vines; 32 pages and cover, 5¼x8¾ inches.

Koster Nursery, Bridgeton, N. J.—Perennials, evergreens and ornamentals; 40 pages and cover, 8½x11 inches.

Krieger's Wholesale Nursery, Bridgman, Mich.—Small fruits, 6-page folder, 3¾x8½ inches.

Musser Forests, Inc., Indiana, Pa.—Evergreens, fruit trees, shade trees and ornamental shrubs; 4-page folder, 5½x8½ inches.

Sheridan Nurseries, Ltd., Sheridan, Ont.—Bulbs, perennials, evergreens, ornamental trees, shrubs and vines; illustrated, 24 pages and cover, 6¾x10¾ inches.

Stribling's Nurseries, Merced, Calif.—Fruit trees, shade trees, field ornamentals and container-grown stock; 32 pages and cover, 6x9 inches.

#### RETAIL PRICE LISTS.

Leesley Nurseries, Libertyville, Ill.—Bulbs, fruit trees, evergreens, ornamental trees, shrubs and vines; 32 pages and cover, 5x7 inches.

Roschill Gardens, Kansas City, Mo.—Bulbs and perennials; 32 pages, 5x6 inches.

NEW to the retail trade is Ernest Burkman, R. R. 3, St. Thomas, Ont., Canada, who has started a nursery on his forty-four acres.

A GREENHOUSE and service building have been built on the new 3-acre nursery owned by Q. Lomini, Hoffmans, N. Y.

ADDITIONAL growing grounds for street trees in cans have been opened at Lomita, Calif., by the Avalon Nursery, Los Angeles, according to John Ohlson, general manager.

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Azaleas, Conifers, Heathers, etc.  
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2-yr., with flower buds, 26c each,  
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Delicate pastel shades and varie-  
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Hinodagiri and other varieties, including Kaempferi and Glenn Dale Hybrids. Nice, bushy plants. Prices of Hinodagiri and most Kurumes, packing additional:

8 to 10 ins.	Per 100
10 to 12 ins.	\$ 90.00
12 to 15 ins.	115.00
Add 10c per plant for burlap wrapping.	150.00

Send for complete list of Azaleas, Broad-leaved Evergreens, Shrubs, Trees, etc. TANKARD NURSERIES, Exmore, Virginia

## INDICA AZALEAS.

Rooted cuttings, \$5.00 per 100.

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10 to 15 ins. \$20.00 per 100.

Varities: Brilliant, Elegans, Fielder's White, Fieher's Pink, Formosa, Phoenixa, President Clay, Pride of Mobile, Pride of Dorking.

Immediate or future shipment. Check with order.

NATIONAL NURSERIES, Biloxi, Miss.

## AZALEA LINERS.

Hinodagiri Hinomayo, Ledifolia alba and Magnifica. Well branched and rooted, \$35.00 per 100. Azaleas, xx, from field beds, \$25.00 per 100. Cuttings of these and other varieties available now. \$6.00 per 100. 1-yr. transplants, \$13.00 per 100 in May only. Cash with order, no C.O.D.'s.

## BUCKINGHAM NURSERY

Buckingham, Pa.

## AZALEA ROOTED CUTTINGS.

Hinodagiri, Coral Bells, Pink Pearl, Hexe, Sweet Briar, Snow, Ledifolia Alba, Amoena, Flame, \$6.00 per 100, \$50.00 per 1000. Rhio-Crimson, \$10.00 per 100, \$85.00 per 1000.

## JOHN WIGMORE

Norman Ave. at Cambridge Station  
Riverside Park, Riverside, N. J.

Japan's best Kurumes.

2 and 3-yr., with flower buds,

30c and 50c ea.

Delivery late fall or spring.

Send for list of names and

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### STRAWBERRY PLANTS.

Fall shipment now to November 15,

priced F.O.B. Farmington, Iowa.

Dunlap	Per 1000	Per 100
Blakemore	7.50	70.00
Beaver	7.50	70.00
Bellmar	9.00	80.00
Temple	3.00	30.00
Premier	9.00	80.00
New Robinson	9.00	80.00
Minnesota 1118	9.00	80.00
Fairland	11.00	100.00
Sparkle	11.00	100.00

Other items.

Gem	14.00	135.00
Minnesota 1166	16.00	150.00
Streamliner	16.00	150.00
Superfection	20.00	185.00

Washington Asparagus, 1-yr., \$15.00 per 1000.

Chipman's Rhubarb, seedless,

No. 1 div., 20c each.

Horse-radish, crowns

Victoria Rhubarb, 1 to 1½ in.

Sage plants, 1-yr., No. 1.

Lombardy Poplar, 6 to 8 ft., 2-yr., 40c each.

No charge for packing.

THE RIDER NURSERIES, Farmington, Ia.

## DURHAM RED RASPBERRY.

(A New Hampshire Station Introduction.)

The best early fall-bearing raspberry available

today. Bears on old canes July and

August and on new canes from late August

through October in this state. A good propa-

gator. New canes will bear crop next fall.

Per 100 Per 1000

Small sucker plants. \$ 8.00 \$ 76.00

No. 1 sucker plants. 12.00 112.00

Transplants. 16.00 144.00

On orders of 25 plants, postpaid, add \$1.00

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## BLUEBERRY PLANTS.

Cultivated, improved hybrids. Healthy, well

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on varieties and prices gladly sent.

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20,000 Pixwell Gooseberries, 2-yr., No. 1, mostly extra-heavy, 5c to 7½c each, if you take them all and dig them yourself. Will furnish tractor and operator free of charge for digging.

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Per 1000

Thornless Boysenberry tip plants,

ready to ship Nov. 1. \$25.00

Blakemore Strawberry plants. 4.50

Place your order before Nov. 1, and you

will receive a 20 per cent discount.

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Rt. 2, Box 89, Springville, Ala.

## EVERBEARING STRAWBERRIES.

All the newest and best varieties. Fine,

heavy-rooted, healthy plants.

Write for 1950 price list.

MENEAL BERRY NURSERY

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All \$6.00 per 100.

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## BLUEBERRY PLANTS.

Free from disease, fully inspected. Ship-

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Prices on request. Your business solicited.

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500 California Gold	10.00	80.00	
500 Captain Wells	40.00	200.00	
1000 Copper Rose	40.00	250.00	
1250 Elmhor	25.00	200.00	
1000 Fair Elaine	15.00	70.00	
1500 Golden Majesty	10.00	60.00	
500 Golden Treasure	12.00	90.00	
2500 Great Lakes	20.00	120.00	
750 May Day	10.00	80.00	
1500 Melitta	12.00	90.00	
250 Ming Yellow	15.00	120.00	
250 Mount Cloud	20.00	100.00	
4000 Nightfall	30.00	120.00	
750 Pink Reflection	75.00		
1500 Prince of Orange	15.00	100.00	
1000 Redward	35.00	200.00	
500 Rosy Wings	10.00	70.00	
2000 Sheriffa	15.00	100.00	
600 Sleepy Hollow	20.00	150.00	
2000 Sunny Ruffles	30.00	120.00	
2000 Wabash	14.00	100.00	
350 White Cloud	20.00	150.00	
1000 Worthington	50.00	300.00	

IRIS PUMILA, Spring-flowering.

3000 Keepsake 18.00 120.00

300 Sapphire 18.00 150.00

3000 Tampa 18.00 120.00

250 Plants Sold at 1000 Rate.

THE WAYSIDE GARDENS CO.

Mentor, Ohio

## HOLLAND-GROWN BULBS.

DARWIN TULIPS, 11 to 12 cm., \$5.00 per

100. Bleu Almable (blue), La Tulipe Noire

(brownish-black), William Pitt (red), Helen

Eakin (white), Rose Copland (rose), Sun-

kist (yellow), Pride of Haarlem (red), After-

glow (apricot), Bartigon (red), Yellow Giant

(yellow), William Copland (lavender),

Prunus (pink).

HYACINTHS, 16 to 17 cm., \$12.00 per 100.

Gertrude (pink), L'Innocence (white), Bla-

marck (blue), City of Haarlem (yellow),

King of the Violets (purple).

CROCUS, 7 to 8 cm., \$2.00 per 100. King

of the Blues (blue), Golden Yellow (yellow),

Striped Beauty (white and blue), King of

the Whites (white).

MUSCARI (Grape Hyacinth), 7 to 8 cm.,

\$2.00 per 100.

DUTCH IRIS, \$5.00 per 100. Yellow Queen

(yellow), 8 to 9 cm.; Excelsior (white), 7 to

8 cm.

WEDGWOOD IRIS, 9 to 10 cm., \$5.00 per

100.

DAFFODILS (Rounds), King Alfred, \$6.00

per 100.

BENTON COUNTY NURSERY CO., Inc.

Rogers, Ark.

## HARDY NORTHERN-GROWN LILY BULBS.

New, rare, scarce and unusual as well as

standard varieties.

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Per 100 1000

3000 Grape Hyacinth, blue,

9 to 10 cm. \$2.00 \$18.00

8000 Ranunculus, double, mixed,

first size 3.00 21.00

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vermillion, scarlet,

top-size 3.00 25.00

500 Anemone Mr. Fokker, blue,

top-size 3.00 25.00

600 Anemone The Bride,

pure white, top-size 3.00 25.00

500 Iris, English, blue, large

flower, new 4.00

10,000 Iris, Wedgwood, blue,

8 to 9 cm. 2.50 21.00

500 Oxalis Bermuda,

buttercup-yellow 2.25 20.00

250 Oxalis hirta, rosy-pink 2.25

250 Oxalis Grand Duchess,

lavender 2.25

250 Oxalis Grand Duchess,

white 2.25

250 Narcissus, Chinese Sacred,

lily-white, yellow cup 7.00

250 Narcissus, Soleil, or yellow

paper white, 14-16 7.00

MIXED DARWIN TULIPS.

4000 Jumbo, 13 to 15 cm. 4.50 40.00

8000 Top size, 12 cm. up 4.00 34.00

9000 First size, 11 to 12 cm. 3.50 28.00

25,000 Second size, 10 to 11 cm. 3.00 23.00

25,000 Third size, 9 to 10 cm. 2.50 19.00

50,000 Fourth size, 8 to 9 cm. 2.00 16.00

NARCISSUS PAPER WHITES.

For forcing.

6250 13 to 14 cm. 4.00 35.00

5000 14 to 15 cm. 5.00 45.00

Cash or C.O.D.

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### SPECIAL SALE TO MAKE MORE ROOM.

Alba Plena, Anna Froelich, Brilliant, Brock-

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Elegans, Cliviana, Countess of Orkney, Dark

Cheerful, Dixie, Elizabeth, Gloire de Nantes,

Hermes, Jarvis Red, Otome, Pink Perfection,

Prof. Sargent, Sarah Frost. Rooted cuttings,

12½c; 6 to 8 ins., 17½c; 8 to 12 ins., 25c;

12 to 18 ins., 35c.

Adolph Audusson, Alba Superba, C. M.

Hovey, Daikagura, Duchess of Sutherland,

Eleanor Haygood, Ethlington White, Fire-

brand, Gigantea, Glen 40, Imura, Kumasaka,

Lady Clare, Laurel Leaf, Nagasaki, Pink

Ball, Purple Dawn, Snow Drift, Sweetiana

Vera, Woodville Red. Rooted cuttings, 25c;

6 to 8 ins., 35c; 8 to 12 ins., 45c; 12 to 18

ins., 65c.

Above priced each. Minimum order 10 of a

kind. Remittance with order. Satisfaction

guaranteed or return for refund. Minimum

order, \$10.00.

NATIONAL NURSERIES

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## EVERGREENS

### LINING-OUT STOCK.

Per 100 Per 1000



## EVERGREEN LINERS.

Heavy, healthy, vigorous stock, grown in field beds with ample room between plants for proper development. (Not quick-grown in pots.)

	Each	Per 100
Taxus hicksi, 5-yr., XX, 12 to 15 ins.	..50	\$0.65
4-yr., XX, 10 to 12 ins.	..40	
4-yr., XX, 8 to 10 ins.	..35	
3-yr., XX, 8 to 10 ins.	..35	
Taxus cuspidata, 5-yr., XX, 12 to 15 ins.	..55	
4-yr., XX, 10 to 12 ins.	..50	
4-yr., XX, 8 to 10 ins.	..40	
3-yr., XX, 8 to 10 ins.	..35	
Taxus brevifolia, 5-yr., XX, 10 to 12 ins.	..65	
4-yr., XX, 8 to 10 ins.	..50	
Taxus hatfieldi, 3-yr., XX, 8 to 10 ins.	..35	
Taxus vermouleni, 3-yr., XX, 8 to 10 ins.	..35	
Hemlock, 4-yr., XX, 10 to 12 ins.	..16	
5-yr., XX, 12 to 15 ins.	..25	
Ilex convexa bullata, XX, 10 to 12 ins.	..40	
Juniper, Pfitzer, XX, 10 to 12 ins.	..45	

## TWO HARDY PERENNIALS.

(Blooming-size Plants.)

Iris kaempferi, mixed colors.	..\$0.15
Hemerocallis kwano flore-pleno.	..15

All above-listed stock is J.B. Certified and can be shipped anywhere in the U.S.  
Terms: 5 per cent discount on orders of \$75.00 or more. Cash with order. Free packing. Sold in multiples of 25 of each variety and size only.

## BAILED AND BURLAPPED STOCK.

Offered to the local trade only, who can call at nursery for not for rail shipment.

Taxus capitata (sheared).	Each
2 ft., XXX.	\$4.00
2 1/2 ft., XXX.	5.00
3 ft., XXX.	6.00
Taxus hatfieldi, 1 1/2 ft., XXX.	3.00
Taxus hicksi, 1 1/2 ft., XXX.	2.75
2 ft., XXXX.	5.00
Colorado Spruce, 1 1/2 to 2 ft., XXX.	1.50
2 to 3 ft., XXX.	2.50
3 to 4 ft., XXX.	3.50
Retinospora plum. compacta, 18-in. balls.	2.00

## BROOKFIELD GARDENS

Route 6 Delaware, N. J.

Arborvitae	Per 10	Per 100	Per 1000
American, 4 to 6 ins., X.	\$2.25	\$12.50	\$120.00
4 to 8 ins., X.	2.35	15.00	
Niera, 4 to 6 ins., X.	2.25	13.50	120.00
6 to 8 ins., X.	3.00	18.50	
Elegantissima, 4 to 6 ins., X.	2.75	16.50	155.00
6 to 8 ins., X.	3.00	18.50	
Globe, 4 to 6 ins., X.	2.50	15.50	145.00
6 to 8 ins., X.	2.50	16.50	155.00
Pyramidal, 4 to 6 ins., X.	2.50	16.50	155.00
Heavy, 6 to 8 ins., X.	3.50	20.00	185.00
Heavy, 8 to 10 ins., X.	6.50	25.00	
Chinese, 2-yr. adlgs., 5 to 8 ins., X.		3.00	25.00
Chinese Compacta, 2-yr. adlgs., 5 to 8 ins., X.		3.00	25.00
Barberry, Juliana, from cuttings, 4 to 6 ins., X.	\$2.00		
6 to 8 ins., X.	2.75		
Boxwood, Old English, dwarf, 2-yr., T, 4 to 5 ins.	15.00	\$140.00	
Juniperus depressa plumosa (Andorra), 4 to 6 ins., X.	16.50	150.00	
6 to 8 ins., X.	18.50		
Juniperus heizl, Heizl hdu, Juniper, 4 to 6 ins., X.	18.00		
6 to 8 ins., X.	20.00		
Pieria japonica, 4 to 6 ins., X.	17.50		
Pyraanthia lalandi, rooted cuttings, 4 to 6 ins., X.	8.00		
Taxus baccata (English upright Yew), 4 to 6 ins., X.	15.00	145.00	
6 to 8 ins., X.	18.50	175.00	
8 to 10 ins., X.	22.50	200.00	
10 to 12 ins., X.	25.00	225.00	
Taxus cuspidata (Jap. spreading Yew), 4 to 6 ins., X.	15.00	145.00	
6 to 8 ins., X.	18.50		
Taxus cuspidata nana, 4 to 6 ins., X.	18.50		

Write for our complete list.

ESHAM'S NURSERIES Frankford, Del.

## TAXUS CUSPIDATA CAPITATA.

	Each
18 0 feet	\$15.00
9 6 1/2 feet	18.00
22 7 feet	20.00
18 7 1/2 feet	25.00
33 8 1/2 feet	28.00
26 8 1/2 feet	32.00
15 9 feet	35.00
6 9 1/2 feet	38.00
10 10 feet	40.00

## TAXUS MEDIA HATFIELDI.

6 4 feet	10.00
5 4 1/2 feet	12.00
6 5 feet	15.00
2 5 1/2 feet	18.00
2 6 feet	20.00
1 6 1/2 feet	23.00
2 7 feet	25.00

## TAXUS MEDIA HICKSI.

1 4 1/2 feet	10.00
1 6 1/2 feet	20.00
2 7 feet	23.00
1 7 1/2 feet	25.00
3 8 feet	30.00

Japanese Beetle Certificate.

P.O.B. our nursery.

THE PETER CASCIO NURSERY

600 Albany Ave. West Hartford 7, Conn.

## EVERGREEN LINERS AND CUTTINGS.

FALL TRADE LIST, 1950.

POT-GROWN EVERGREEN LINERS.

	Each	Per 100	Per 1000
Juniperus chinensis pfitzeriana, 1-yr., 4 to 5 ins.	..\$0.20	\$0.18	
Juniperus heizl glauca, 1-yr., 4 to 5 ins.	..20	18	
Arborvitae, Pyramid, 1-yr., 4 to 5 ins.	..18	16	
2-yr., field-grown	..27	24	
Arborvitae, Globe Woodward, 1-yr., 3 to 4 ins.	..17	15	
Arborvitae, American Dark Green, 2-yr., 4 to 5 ins.	..20	18	
Taxus media hicksi, 2-yr., 5 to 8 ins.	..20	18	
1-yr. heads, 5 to 6 ins.	..15	14	

## HEAVY ROOTED CUTTINGS.

From flats, rooted outside in lath house.

	Each	Per 100	Per 1000
Juniperus communis hibernica	..\$0.08	\$0.07	
Juniperus communis ashfordi	..08	07	
Arborvitae, pyramidalis, 1-yr.	..09	08	
Arborvitae, American Dark Green	..09	08	
Taxus media hicksi, 1-yr.	..09	08	
Euonymus patens, 1-yr.	..07	06	
Euonymus alatus compactus	..07	06	
Buxus sempervirens	..07	06	
Taxus cuspidata	..10	08	
Taxus media andersoni	..12	10	
12 to 15 ins., TT.	..10		
Taxus media hatfieldi	..12	10	
Taxus media No. 8, spreading	..12	10	

2 per cent discount and free packing for cash with order.

## MIAMI NURSERY CO.

Tipp City, Ohio

Member of American Association of Nurserymen and Ohio Nurserymen's Association.

## LINERS, QUALITY PLANTS.

Spring or Fall Delivery.

Azaleas:	Each
Hinodegiri, 2 to 4-in. spread	..\$0.18
Hinodegiri, 4 to 6-in. spread	..25
Hino-Crimson, 2 to 4-in. spread	..18
Macrantha Lovett, 2 to 4-in. spread	..18
Macrantha Lovett, 4 to 6-in. spread	..25
Daphne, 2 to 4-in. spread	..18
Daphne, 4 to 6-in. spread	..25
Mollis Cream, 2 to 4-in.	..08
Mollis Cream, 6 to 8 ins., 2-yr., fld.	..25
Mollis Cream, 8 to 12 ins., branched	..35
Mollis Cream, 12 to 15 ins., branched	..50
Andromeda (Pieris), 4 to 6-in., C. X.	..20
Choisy ternata, 8 to 10 ins., XX.	..35
Daphne mezereum, 6 to 8 ins., X.	..12
Daphne mezereum, 8 to 10 ins., X.	..17
Daphne mezereum, 10 to 12 ins., X.	..22
Daphne odora, 6 to 8 ins., frame	..35
Daphne odora, 8 to 10 ins.	..45
Heather, mediterranea, 2 to 4-in. spread	..15
Heather, mediterranea alba, 2 to 4-in. spread	..15
Heather, Spring-snow, 2 to 4-in. spread	..15
Heather, carnea, 2 to 4-in. spread	..15
Heather, Mrs. Maxwell, 2 to 4-in. spread	..15
Cypress, nestoides, X, fld.	..20
Juniperus meyeri, 6 to 8 ins., XX.	..27
Thuja lobb, 4 to 6 ins., X, fld.	..17
Thuja lobb, 6 to 8 ins., X, fld.	..20
Thuja woodwardi, globe, 6 to 8 ins., X, fld.	..18
Skimmia japonica, X, fld., branched	..35

Cash with order. F.O.B. Shipped express.

## FOUR STAR NURSERY

Rt. 3, Box 3529 Edmonds, Wash.

The following pot plants are pot-bound, with nice top growth, and are ready for immediate shipment.

	Per 100
Callistemon rigidus, 2 1/2-in. pot	..\$12.50
Callistemon rigidus, 3-in. pot	..17.50
Callistemon rigidus (very full), 4-in. pot	..50.00
Gardenia veitchi, 2 1/2-in. pot	..12.50
Gardenia veitchi, 3-in. pot	..17.50
Hibiscus rose-sinensis, 16 choice named varieties, 3-in. pot	..35.00
Ilex burfordi, 2 1/2-in. pot	..15.00
Ilex opaca femina, 2 1/2-in. pot	..15.00
Ilex opaca howardi, 2 1/2-in. pot	..15.00
Magnolia soulangeana, 2 1/2-in. pot	..25.00
Magnolia soulangeana nigra, 2 1/2-in. pot	..20.00
Pyracantha Graber, 2 1/2-in. pot	..15.00
Rosa rouletti, with buds, 2 1/2-in. pot	..15.00
Rosa rouletti, with buds, 3-in. pot	..20.00
Juniperus sylvesteris, 2 1/2-in. pot	..15.00
Juniperus pfitzeriana, 2 1/2-in. pot	..15.00

Many varieties of Camellia japonica in pots and from beds. Azaleas and liners of choice broad-leaved evergreens and conifers. Write for wholesale price list.

## COTTAGE HILL NURSERY

T. Kiyono, Mgr.

Rt. 4, Box 130, Mobile, Ala.

## EVERGREEN SURPLUS.

Dark Green American and Pyramidal Arborvitae, Irish, glauca heizl and Pfitzer Juniper, and many other evergreens in many different sizes. These are nice, sheared, compact trees.

Write for our price list.

We have some nice offers.

J. C. BUNCH &amp; SON

3500 Hulman St. Terre Haute, Ind.

## THUJA SEEDLINGS.

	Per 100	Per 1000
Thuja orientalis tatarica, 2-yr., 6 to 9 ins.	..\$3.00	\$25.00
Thuja orientalis aurea, 2-yr., 6 to 8 ins.	..3.00	25.00

These seedlings with male and female stock with variations in color and type.

The HARRIS GARDENS Enterprise, Kan.

## TAXUS MEDIA HICKSI, 6 ft.

Each \$20.00

8 5 1/2 to 6 ft. 15.00

40 4 1/2 to 5 ft. 10.00

Juniperus heizl, 6 to 7 ft. 15.00

8 2 1/2 to 3 ft. 5.00

250 Taxus cuspidata, 3 to 4 ft. 4.00

trimmed 6.00

100 2 1/2 to 3 ft., trimmed 5.00

50 4 to 5 ft., trimmed 8.00

40 Juniperus pfitzeriana, 5 to 7 ft. 6.00

150 Irish Juniper, 2 1/2 to 3 ft. 2.00

50 American Arborvitae, 5 1/2 to 6 ft. 5.00

Per 100

1500 Apple, McIntosh, 3-yr., 3/4 to 1-in. \$50.00

300 Apple, 15 varieties, 4-yr., 3/4 to 1-in. 80.00

50 Burbank Plum, 2-yr. 1.00

1 1/2 to 2 1/2-in. 1.00

50 Montmorency Cherry, 3-yr. 2.00

No beetle certificate. Trucks only.

M. W. REILLY NURSERIES

136 Milton St. Elmira, N. Y.

Phone: 5596

Each

Berckmans Golden Arborvitae, 21 to 24 ins. \$1.75

Globe Arborvitae, 21 to 24 ins. TTT. 1.75

Baker Arborvitae, 18 to 24 ins. TT. 1.35

Hill's Pyramid Arborvitae, 24 to 30 ins. TTT. 1.75

Pfitzer Juniper, 18 ins. sheared, TTT. 1.50

Juniperus depressus (Golden Spreader) 18 to 24 ins. TTT. 1.50

12 to 15 ins. TT. 1.00

Juniperus excelsa stricta (Greek) 12 to 15 ins. TTT. 1.00

Juniperus communis columnaris (English) 24 to 30 ins. sheared, TTT. 1.50

36 to 40 ins. sheared, TTT. 2.00

Tuga canadensis (Hemlock) 24 ins. bushy, TTT. 1.75

Potted evergreen liners from 2 1/2 ins. in variety. Prices are F.O.B. nursery, Pegram, Tenn. All stock dug with good average balls.

TRITSCHELE'S GREENHOUSES

4425 W. Lawa Rd. Nashville 10, Tenn.

## WHO WANTS THESE CASH BARGAINS?

Each

300 Pyramidal Arborvitae, 3 to 4 ft. \$3.00

400 Pyramidal Arborvitae, 4 to 5 ft. 3.50

275 Pyramidal Arborvitae, 5 to 6 ft. 2.75

200 Globe Arborvitae, 18 ins. 2.00

350 Irish Juniper, 2 to 2 1/2 ft. 1.50

100 Irish Juniper, 4 to 5 ft. 2.50

125 Gold Thread Cypress, 1 1/2 to 2 ft. 2.50

150 Gold-tipped Pfitzer, 1 1/2 to 2 ft. 2.50

50 Balsam Fir, 4 to 5 ft. 2.50

All first-class, transplanted stock, B&amp;B, F.O.B. nursery.

Hundreds of Pfitzer, Polish and Andorra Junipers, Siberian Arborvitae, Pines and Spruces.

Let us quote you on your needs.

HOME NURSERY

LaFayette, Ill.

## LINING-OUT STOCK.

POTTED EVERGREENS.

Per 100

Variety and height

Juniperus depressa plumosa, 6 to 8 ins. \$17.50

Juniperus excelsa stricta, 6 to 8 ins. 17.50

Juniperus heizl, 6 to 8 ins. 17.50

Juniperus hibernica, 6 to 8 ins. 17.50

Juniperus pfitzeriana, 8 to 10 ins. 30.00

Juniperus sabina, 6 to 8 ins. 17.50

Taxus cuspidata, 6 to 8 ins. 22.50

Taxus hicksi, 6 to 8 ins. 25.00

Thuja pyramidalis, 8 to 10 ins. 22.50

Retinospora plumosa aurea, 10 to 12 ins. 22.50

Packing without cost when cash accompanies order.

The HOLLANDIA GARDENS, Inc.

South Vienna, O.

All plants are extra-heavy and ready for the field.

Per 100

Taxus cuspidata brown, 10 to 12 ins. 3-yr., TT. \$45.00

Taxus media hicksi, 10 to 12 ins., 3-yr. TT. 40.00

Taxus media Vermeulen, 15 to 18 ins., 4-yr. TT. 80.00

Taxus cuspidata capitata, 10 to 12 ins., 3-yr., TT. 45.00

Taxus cuspidata, 10 to 12 ins., 3-yr., TT. 40.00

Taxus media hicksi, 6 to 8 ins., 2-yr., T. 30.00

STROHL'S NURSERY

1404 N. Anthony Blvd. Fort Wayne, Ind.

Each

Arborvitae, Globe, 18 to 24 ins. \$2.00

Arborvitae, Globe, 2 to 2 1/2 ft. 2.25

Arborvitae, Siberian, 18 to 24 ins. 2.00

Arborvitae, Siberian, 2 to 2 1/2 ft. 2.25

Biota aurea nana, 18 to 24 ins. 2.25

Biota aurea nana, 2 to 2 1/2 ft. 2.50

Price apply on lots of 25 or more of size and variety. F.O.B. Clyde. She

## EVERGREENS—Continued

**EVERGREENS.**  
10,000 finished evergreens, B&B grades, ready for fall and spring delivery. Baker, Berkmans and Bonita Arborvitae; Cedrus deodara, Italian and Arizona Cypress, Irish Pfitzer and Spiny Greek Juniper, Retinospora ericoides, Nandina, Waxleaf Ligustrum, Magnolia grandiflora, Photinia, Abelia, Gardenia, Boxwood, Euonymus, Holly. Also flowering shrubs and Weeping Willow.  
Visit our fields and get our prices before you buy. Special prices on carload lot shipments.

All inquiries answered promptly.

**HILL SIDE NURSERY**

Rt. 1 Leesburg, Tex.

**LINERS, SPRING DELIVERY.**

	Each
Viburnum burkwoodii, 4 to 6 ins.	\$0.12
Viburnum burkwoodii, 6 to 8 ins.	.17
Viburnum burkwoodii, 8 to 10 ins.	.21
Daphne cneorum	.12
Daphne odora	.15
Juniperus tamariscifolia, 2 to 4 ins.	.10
Juniperus tamariscifolia, 4 to 6 ins.	.15
Juniperus tamariscifolia, 6 to 8 ins.	.18
Lithospermum, (Hedge only Blue)	.15

Terms: Half of amount with order, balance C.O.D.; packing at cost, shipped express.

**FOUR STAR NURSERY**

Rt. 3, Box 3529 Edmonds, Wash.

## ROOTED CUTTINGS.

	Per 100	Per 1000
Biota aurea conspicua	\$ 8.00	\$70.00
aurea nana	8.00	70.00
aurea nana globosa	8.00	70.00
bonita	8.00	70.00
fruitlandi	8.00	70.00
Gardenia Mystery (Hardy to Zero)	7.00	60.00
6 to 12 ins. in 2-in. pots	15.00	
Packed in sphagnum moss	Cash, please.	

**BROSEMER NURSERY CO.**

Rt. 1 Huntsville, Ala.

## LINING-OUT STOCK.

	Per 100	Per 1000
Taxus hickel	\$15.00	\$125.00
Taxus cuspidata	15.00	125.00
Taxus hatfieldi	17.50	150.00
Taxus brevifolia	20.00	200.00
Tsuga canadensis		
2-yr. tr., 4 to 6 ins.	7.00	60.00
3-yr. tr., 6 to 9 ins.	11.00	100.00
4-yr. tr., 9 to 12 ins.	16.00	150.00

Complete list of liners on request.

**VERKADE'S NURSERIES**

Wayne, N. J.

## 4-YR. TRANSPLANTS.

	Per 100	Per 1000
Black Hills Spruce, 6 to 10 ins.	\$15.00	
Norway Spruce, 8 to 12 ins.	20.00	
Colorado Blue Spruce, 4 to 10 ins.	20.00	
White Pine, 6 to 12 ins.	10.00	
3-YR. SEEDLINGS	Per 100	Per 1000
Norway Spruce, 4 to 8 ins.	\$5.00	\$35.00
Black Hills Spruce, 6 to 8 ins.	5.00	35.00

**ARTHUR CASH NURSERY**

Angola, N. Y.

## EVERGREEN PLANT MATERIAL.

ADVANCED LINERS in Azalea, Cornus, Cotoneaster, Ilex, Juniperus, Kalmia, Leucothoe, Pieris, Rhododendron, Taxus, Thuja, Tsuga, Viburnum.

Finished Trees in Colorado Blue Spruce.

All Certified for Western Shipment.

Write for Wholesale Price List.

**H. W. WEBER EVERGREEN NURSERY**

16 Summer St. Weston 93, Mass.

## TAXUS CAPITATA.

	Each
Heavy sheared plants	\$3.50
24 to 30 ins.	4.00
30 to 36 ins.	4.00

Terms: Cash. Sold only at the nursery plot.

## STAGE NURSERIES

E. L. Stage Clearfield, Pa.

## NATIVE WILD FLOWERING PLANTS.

Rhododendron, Azalea, Kalmia, Leucothoe and Tsuga canadensis. Evergreens, perennials, shrubs, trees, orchids, ferns and vines.

Send for wholesale price list.

**THE THREE LAURELS**

Marshall, N. C.

**TAXUS CAPITATA** that is in a formal garden on a private estate in New Jersey. Perfect in shape, 2 ft. high. Approximately 950 feet. No reasonable offer refused. Plants may be seen any time convenient to buyer.

**DUNWOODIE NURSERIES**

6 Smart Ave. Yonkers, N. Y.

## RHODODENDRON PONTICUM.

Understocks for grafting, \$25.00 per 100.

Write for our list of Grafted Hybrids and Hybrid Seedling Rhododendrons.

**THE LEVICK NURSERY CO.**

R.F.D. 3 Bridgeton, N. J.

## JUNIPERUS GLAUCA HETZL.

	Each
1-yr., 4 to 6 ins.	\$0.10
1-yr., 6 to 8 ins.	.15
1-yr., 8 to 12 ins.	.20

**BALCOM NURSERY**

Kokomo, Ind.

## NANDINA SEEDLINGS.

Ready to pot, \$20.00 per 1000, postpaid.

**DUNLAP NURSERIES**

Knoxville 16, Tenn.

## CANADIAN HEMLOCK.

	Per 100
Heavy, sheared	\$ 75.00
18 to 24 ins. Bare root	100.00

**LAUREL PARK NURSERIES**

Box 265, Hatfield Rd. Northampton, Mass.

Pfitzer Juniper, unrooted cuttings, 7 to 10 ins., untrimmed. Expert packing, express shipment. \$10.00 per 1000. Cash, please. Trial order will convince you.

**NORTON LEDBETTER CO.**

P. O. Box 155 Elmhurst, Ill.

## UNROOTED CUTTINGS OF PFITZER

JUNIPER, 6 to 10 ins. long, not trimmed.

Moss packed; express only. \$10.00 per 1000.

Cash with order.

**KRONE'S FLOWER SHOP**

4221 Grand Ave. Fort Smith, Ark.

Our complete list of lining-out stock covering both broad-leaved and coniferous evergreens, shrubs, etc., is now ready for mailing upon receipt of your request.

**T. G. OWEN & SON, Inc.**

Columbus, Miss.

## FRUIT TREES

**NURSERY STOCK.**

Japanese Persimmon, Tani-nashi,

Eureka, Hyakume.

	Each
5 to 6 ft., heavy caliper	\$1.00
4 to 5 ft., heavy caliper	.90
3 to 4 ft., heavy caliper	.75

Hyakume and Eureka only, 6 to 7 ft., heavy

Thomas Black Walnut

	Each
5 to 6 ft., heavy caliper	1.40
4 to 5 ft., heavy caliper	1.20
3 to 4 ft., heavy caliper	1.00

Apples, Jonathan, Red Delicious.

Red Rome Beauty, King David.

6 to 7 ft., br. 3-in. cal. and up

5 to 6 ft., br. 3-in. cal. and up

Pears, Kieffer, Le Conte, Bartlett,

5 to 6 ft., heavy br. 3-in. cal. and up

4 to 5 ft., heavy br. 3-in. cal. and up

Flowering Crab Apple, Eleyl, Lemoine,

6 to 7 ft., br. 3-in. cal. and up

5 to 6 ft., br. 3-in. cal. and up

4 to 5 ft., br. 3-in. cal. and up

**CALDWELL NURSERY**

Athens, Texas

## LOOK!

**SURPLUS 2-YR. APPLE.**

Graded to A. A. N. Standards.

Twelve leading varieties.

Now booking for Fall or Spring deliveries at these attractive low prices:

	Each
7/16-in. cal., 3 to 4 ft.	\$0.15
9/16-in. cal., 4 to 5 ft.	.20
11/16-in. cal., 5 to 6 ft.	.25

Also limited supply of 2-yr. Pear. Trade list on request.

**PACK TRUE-TO-NAME NURSERY CO.**

Phone 82-Y

McMinnville, Tenn.

## PECAN TREES.

Over fifty acres devoted exclusively to growing papershell pecan trees on our better rootstock. All sizes. Stake-trained, vigorous, thrifty trees with livability grown in them.

Success, Mahan, Stuart, Schley, Desirable,

Delmas, Western Schley, Burkett and others.

Peach, plum and apricot trees, heavy caliper, dormant buds.

Write for new wholesale price list.

**COCKRELL'S RIVERSIDE NURSERY**

Rt. 1 Goldthwaite, Tex.

Peach, Plum, Apricot, Fig, Persimmon,

Pecan, in fact any fruit you might need.

Write for our price list.

**FITZGERALD'S NURSERY**

Stephenville, Texas

## GROUND COVERS

**VINCA MINOR** (myrtle or periwinkle)—None less than 3 years old, with good roots, 15 to 30 canes to clump, individually made up, fresh-dug, \$37.50 per 1000. Prompt shipment. Quantity orders solicited. 2 per cent cash discount. Also Pachysandra.

**H. C. WAUGH**

737 Greene St. Marietta, Ohio

**PACHYSANDRA.**

Strong, rooted cuttings, \$4.00 per 100;

\$38.00 per 1000. Beetle Zone only.

**DUNWOODIE NURSERIES**

6 Smart Ave. Yonkers, N. Y.

**EUONYMUS RADICANS VEGETIS.**

Strong rooted cuttings, \$8.00 \$75.00

**PLANE VIEW NURSERY**

Newport, R. I.

**PACHYSANDRA TERMINALIS.**

Strong, 1-yr., field-grown, \$65.00 per 1000.

**HILLCREST GREENHOUSES, Franklin, Pa.**

## HARDY PLANTS

**SHASTA DAISIES.**

	Per 100
Strong, field divisions	\$15.00
Majestic, best large single	15.00
Mount Shasta, tall, double	12.00

**HARDY IVIES.**

	Per 100
Strong, clean stock	\$16.00
English, 3-in. pots	15.00
Baltic, 2 1/2-in. pots	15.00
Also Euonymus coloratus, 2 1/2-in.	12.00

**STRATFORD GARDENS**

Delaware, Ohio

## AMERICAN NURSERYMAN

## ONE-YEAR-OLD PERENNIAL PLANTS.

	Per 100	Per 1000
7000 Asclepias tuberosa, orange	\$2.25	\$20.00

15,000 Alyssum saxatile (basket of gold)

4500 Aquilegia Crimson Star, red

14,000 Aquilegia Chrysantha, yellow

20,000 Aquilegia Rose Queen

10,000 Aquilegia Silver Queen

10,000 Aquilegia Iowa Giants, superb mixed

60,000 Aquilegia Scott Elliott, long-spurred mixed

50,000 Aquilegia vulgaris, single mixed

85,000 Carnation, double fine mixed

5000 Carnation, King of the Blacks

36,000 Carnation, Mont Blanc, pure white

42,000 Carnation, deep red

14,000 Carnation, Rose Queen

32,000 Carnation, yellow

24,000 C Bells Cup and Saucer, blue

30,000 C Bells Cup and Saucer, rose

30,000 C Bells Cup and Saucer, white

44,000 Cheiranthus allionii, orange wallflower

3000 Coreopsis Mayfield Giant, yellow

20,000 Delphinium Bellamosum, dark blue

30,000 Delphinium Clivedon Beauty, light blue

10,000 Delphinium Pacific Hybrids, Sir Galahad

9000 Delphinium Pacific Hybrids, pure white

71,000 Delphinium Pacific Hybrids, finest mixed

30,000 Foxgloves, Shirley, hybrid, mixed

20,000 Foxgloves, Shirley, pink shades

4000 Gaillardia Burgundy, wine-red

10,000 Gaillardia Goblin, dwarf, carmine-red

5000 Hollyhock, Chater's double, mixed

160,000 Iberis Semperviridis, (white candytuft)

2000 Lupine, Russell Hybrid, mixed

10,000 Oriental Poppy, scarlet

5000 Platycodon, blue

45,000 Pyrethrum, James Kelway, deep crimson

60,000 Pyrethrum strobilaceum, dark blood-red

50,000 Pyrethrum, double, mixed

25,000 Pyrethrum, single, rose

4000 Scabiosa, Isaac House, Hybrids

10,000 Shasta Daisy, White Lady, one of the best

5000 Shasta Daisy, Alaska, florists' favorite

45,000 Shasta Daisy, Diener's double

5000 Shasta Daisy, May Queen, earliest, always green

1000 Tritoma

Cash or C.O.D.

**MONARCH PLANT FARMS**

Kalamazoo 99, Mich.

**WELLER'S FAMOUS PHLOX.**

(Paniculata.)

With That Wonderful Root System.

**TEN HIGHLIGHTS**

out of the 15 varieties we grow.

Strong, No. 1. With all roots.

	Per 100	Per 1000
Bluette, large blue and rose, magic color	\$2.50	\$20.00
Camille Schneider, orange-scarlet	2.50	20.00
H. B. May, large, bright pink	2.00	15.00
July Lights, light red		
blood-red eye	2.00	15.00
Pink Charm, bright pink		
scarlet sheen	2.25	17.50
Pinkette, beautiful tint, like soft-shed light	2.50	20.00
Polka Dot, large, pinkish tinge	3.	

## SNYDER'S PERENNIAL SPECIALTIES.

25 at the 100 rate.	Per 100
Achillea filipendulina, yellow.....	\$ 3.00
Alyssum saxatile compactum.....	2.50
Alyssum saxatile citrinum, yellow.....	3.00
Anchusa myosotidiflora, clean, heavy.....	8.00
Arabis alpina Snowcap.....	3.00
Aster alpinus, dwarf blue, spring.....	4.00
Aster alpinus Goliath, blue, spring.....	4.00
Aster Star of Wartburg, from seed, blue.....	4.00
Aubrieta Giant Hybrids, finest quality.....	4.00

## AQUILEGIA.

All long-spurred, from finest seeds.	
Blue Shades, white centers.....	4.00
Chrysanth, golden-yellow.....	3.00
Cosmos Red, red shades.....	3.00
Rose Queen, bright pink.....	3.00
Scott Elliott Hybrids, all colors.....	3.00
Baptisia australis, heavy plants.....	4.00
Centaurea deltoidea, Rose Delight, pink.....	4.00
Centaurea montana, blue, heavy plants.....	4.00

## CAMPANULA.

Carpatia Alba, pure white.....	3.00
Carpatia, blue.....	3.00
Carpatia Dwarf Hybrids.....	4.00
Cullimore, a larger, freer carpatia.....	3.00
Roundifolia, Bluebells of Scotland.....	3.00
Rotundifolia olympica, larger flowers.....	4.00

CAMPANULA MEDIUM (Canterbury Bells).	
Calycanthema, in separate colors below	2.00
Blue, Rose, Lilac, White, Mixture.	
Double, in mixture only.....	2.00
Single, in mixture only.....	2.00

## CARNATION GREENADIN.

Thinly-sown, bushy, colors below.....	4.00
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King of the Blacks, Scarlet, Rose,	
White, Yellow, Mixed.....	4.00

DAISY, Double White Swan.	
True stock, fully double, divisions.....	4.00

## DELPHINIUMS.

All thinly-sown, this spring have bloomed.	
Belladonna Improved, sky-blue.....	3.00
Belladonna Improved, deep blue.....	3.00
Blackmore & Langdon Hybrids.....	3.50
Chinesse alba, pure white.....	3.00
Chinesse Cambridge Blue, rich blue.....	3.00
Chinesse Blue Mirror, navy blue.....	3.00
Lamarine, true straine, dwarf.....	4.00
Wrexham Strain, "Hollyhock"	
delphinium.....	4.00

## DIANTHUS.

Bushy plants from finest seeds available.	
Allwood, very free, all colors.....	4.00
Crimson Bedder, all rich red.....	3.00
Deltoidea erecta, upright dwarf, red.....	3.00
Little Jock Hybrids, dwarf.....	4.00
Loveliness, deeply lacinated mauve.....	3.00
Plumarius, double, red and rose.....	3.00
Plumarius Highland Hybrids, brilliant.....	3.00
Plumarius Spring Beauty, double.....	3.00
DIANTHUS BARBATUS (Sweet William).	
Midget, single, dwarf, mixed.....	3.00
Newport Pink, single, dwarf.....	3.00
Scarlet Beauty, bright scarlet.....	2.50
Purple Beauty, deepest red.....	2.50
White, extra-large flowers.....	2.50
Mixed, full color range.....	2.50

## DICENTRA EXIMIA.

(Plumy Bleeding Heart.)	
Bushy plants, blooming now.....	6.00

## GYPSOPHILA.

All will give full bloom next summer.	
Oldhamiana, pink, late summer and fall.....	3.50
Pacific, pink, midsummer, heavy.....	5.00
Paniculata, common misty Baby's-	
breath.....	3.00
Repens rosea, pink, third, dwarf.....	3.00
Snow White, double, pure white.....	3.50

## HEUCHERA.

Sanguinea, transplanted August, 1949.....	8.00
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Choice Hybrids, flat-ground, 1-yr.-old.....	5.00
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## IBERIS SEMPERVIRENS.

(Evergreen Candytuft.)	
Iberia, from seeds. Heavy, bushy plants 4.00	
Purity, new large flowers, very free	
dwarfer. From cuttings started last	
fall, transplanted to field rows early	
June.....	10.00
Snowflake, grown like Purity above.....	6.00

## LIATRIS.

Strong "bulbs," sure to bloom next summer.	
--	--

Calliopsis, large spike, 3rd, early.....	3.00
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Longifolia punctata, September on.....	3.00
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Pycnostachya, tall, August.....	2.50
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Pycnostachya Early Hybrid, 2nd, early.....	3.00
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Spicata, 30-in. spikes, July 1. Earliest.....	3.00
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Scariosa September Glory, earlier.....	4.00
--	------

Scariosa September Glory, later.....	4.00
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Lilium tenuifolium, blooming size.....	2.50
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Lilium flamm compactum, dwarf yellow.....	3.00
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Lilium narbonneense Heavenly Blue.....	4.00
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Lychnis chalcidonica, bright red.....	3.00
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Lythrum the Beacon, from seed.....	4.00
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Lythrum roseum, pink shades.....	4.00
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Nepeta mussini lavender dwarf.....	3.00
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Oenothera missouriensis, heavy plants.....	4.00
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## PHLOX SUBULATA.

All bushy plants, started 1 year ago.	
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Atropurpurea, red.....	5.00
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Alexander's Favorite, large pink.....	8.00
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Alexander's Sky Blue, soft blue.....	8.00
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Blue Hill, standard blue, dwarf.....	4.00
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Dwarf Rosea, fine foliage compact.....	8.00
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Emerald Cushion, blue, unique.....	5.00
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Continued in next column.)

(Concluded from previous column.)

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Double Blue, true stock. 2-yr.....	\$6.00
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1-yr.....	4.00
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Double White. 95 per cent true.	
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1-yr.-old.....	4.00
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Blue, single, true stock. 2-yr.....	3.00
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White, single, 95 per cent true. 1-yr.....	3.00
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Shell-pink, true stock. 2-yr. \$5.00. 1-yr. 3.90	
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## POLYANTHUS (Primula Veris Hybrids).

From finest seeds thinly sown early April.	
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Monarch strain, best available mixture.....	6.00
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Giant Crimson, rich, even color.....	5.00
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Giant Orange, rich shades of orange.....	5.00
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Giant White, a specially good strain.....	5.00
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Giant Yellow, rich colors, large blooms.....	5.00
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## PYRETHRUM.

All thinly sown late April.	
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Double Hybrids, all colors.....	5.00
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Robinson's Dark Crimson, large singles.....	5.00
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Robinson's Hybrids, large-flowered.....	5.00
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Ruby Red, large singles of glowing red.....	6.00
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Rudbeckia purpurea, purple coneflower.....	3.00
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Salvia julisiei, low-growing blue.....	4.00
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Saponaria ocyroides splendens, pink.....	4.00
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Statice dumosa, silver and lavender.....	3.00
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Statice latifolia, misty lavender-blue.....	3.00
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Stokesia cyanea, large lavender-blue.....	3.00
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Probably the best varieties grown from seeds.	
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Alaska standard, large, single.....	2.50
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King Edward VII Improved.....	3.00
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Marian Collier, lacinated petals.....	3.00
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Mount Everest.....	3.00
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The Speaker.....	3.00
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Thalictrum, Bee's Dwarf Purple, new	
English form worked up in our nursery	
the past five years. About two	
feet, excellent for cutting or border,	
always blooms Decoration day. 1-yr.	
plants.....	8.00

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Tritoma, Miracle Mixture, early.....	3.00
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Tritoma Pitzer's Hybrids, red.....	3.00
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Verbasco Harkness' Hybrids, yellow.....	3.00
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Veronica Blue Candle, rich blue.....	3.00
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## Cash with order, please.

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Strong, Field-grown Plants.	
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Ready for Immediate Delivery.	
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Per doz. Per 100	
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Barr's White.....	\$6.25 \$35.00
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Enchantress.....	5.25 25.00
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Jeannie Mawson.....	4.50 20.00
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May Sadler.....	5.25 25.00
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Mrs. Perry.....	4.50 20.00
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Watermelon.....	6.00 35.00
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Mentor, Ohio

HARDY CHRYSANTHEMUMS—Ann, Autumn	
Song, Ardent, Alpik, Alabaster, Allen	
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num, Embet, Daydream, Egypt, Early Won-	
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Empire State, Ethel, Bonfire, Border White,	
Burkundy, Glacier, Lavender Lassie,	
Heatherbloom, Inspiration, Erna Linda, Mt.	
Ranier, Forward, Fortune, Maiden Blush,	
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Harbinger, Lady Electra, Little Eskimo,	
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Little Bob, Red Velvet, Sonny Boy, The	
Chief, Snapee, Porch Ice, Quaker Maid, Red	
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White, Rose, Orchid Spoons, Field	
plants, 10 for \$1.00.....	

HARDY PHLOX—Bridesmaid, Colonial,	
Prime Minister, Eva Forrester, Gen. Petain,	
Rose, L'Esperance, 10 for \$1.00. Surplus	
stock, 400 varieties Iris, 6c each.	

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Field-grown plants for propagation.	
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PEARL PARKINSON (1950). Large red	
flowers with wavy edges. Aug.-Oct.	

PONCA (1950). purplish-red flowers like	
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\$3.00 per 10; \$25.00 per 100.	
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E. H. HOPPELT, Large fluffy flowers, yellow	
to buff-bronze. July-Oct. Quaker Maid, Red	

W. P. SNYDER, Coppery-apricot. Fine for	
cutting. Aug.-Oct. flowering.	

\$2.50 per 10; \$20.00 per 100.	
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Many other fine varieties such as Golden	
Carpet, Moonlight, Powder Puff.	

Complete list on request.	
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For Fall delivery.

	Per 12	Per 100	Each per 1000
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DICENTRA SPECTABILIS.			
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Mail-order size, 3 to 5-eye.....	\$28.00	\$0.26	
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Garden size, large,			
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3 to 5-eye.....	\$4.50	35.00	.30
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Forcing size, 5 to 8-eye.....	6.00	40.00	.35
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Mammoth plants, 8-eye			
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and up.....	7.00	50.00	.45
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DICENTRA EXIMIA.			
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3 to 5-eye.....	2.00	15.00	.10
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5 to 8-eye.....	3.00	20.00	.15
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We have specialized in growing Bleeding			
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Hearts for many years
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A complete assortment of fully developed field-grown plants for the rockery, for cut flowers, for gardens. No seedlings or liners. Catalog and handy order aids. . . . .  
The JOSEPH F. MARTIN CO.  
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## New and Standard Kinds.

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CARROLL GARDENS

Box 15 Westminster, Md. Per 100

Dicentra spectabilis, 3 to 5-eye. . . . . \$25.00  
Dicentra spectabilis, 5 to 8-eye and up 35.00  
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WALTERS GARDENS

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for Hardy Plants is  
THE WAYSIDE GARDENS  
Mentor, Ohio  
Write for Trade List.

HARDY FERNS. \$7.00 per 100.  
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Peonies, 35c; Iris, 10c; Phlox, 15c, any color.  
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Rooted cuttings from the propagating sand, original leaves, only \$15.00 per 100, plus packing and beetle treatment if necessary.  
Large specimen Hollies, platformed, to 16 ft.

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Advertisers' Experience Shows  
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Bring Results.

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## PEONIES.

Strong 3 to 5-eye divisions.

Per 100 Per 100  
Avalanche, excellent white. . . . . \$3.50 \$30.00  
Jubilee, very large white. . . . . 4.00 35.00  
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5 at 10 rate, 25 at 100 rate. Cash with order. No charge for packing.  
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Peonies, all color mixture consisting of Duchesse De Nemours, Avalanche, Felix Crousse, Walter Faxon, Sarah Bernhardt, Susan Anthony, Mary Brand, Mikado Barr. 2 to 5-eye div., \$17.50 per 100. Sempervivum tectorum (Hen and chickens), \$4.50 per 100. Hardy fern, \$5.00 per 100. THE PEQUOT NURSERIES, Brainerd, Minn.

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## THE BEST OUT OF TEXAS

AND THAT IS NOT JUST BRAGGING.  
We do not spare any expense in the production of our roses, and as a consequence ours are just a little better. Below is a partial list of our most popular varieties:

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Christopher Stone  
Grenoble  
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E. G. Hill  
Francis Scott Key  
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K. A. Viktoria  
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CLIMBERS  
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Paul's Scarlet  
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Caledonia  
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Hardy Polyantha Primrose Seeds.  
Newer colors, large florets.  
Trade pkg. \$1.00; 7 pkgs. \$5.00.  
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Pure seeds from our hardy northern seed orchard.

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5 to 10 lbs. . . . . 80c  
11 to 50 lbs. . . . . 75c  
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Also 2/3 to 3/4 ft., 2-yr. trees.  
Grown from select seeds.  
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Farina, Ill.

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Pinus palustris, longleaf pine. . . . . \$3.00  
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MULTIFLORA ROSE SEEDS.  
Clean, thorny Multiflora Rose seeds picked from thorny, upright plants of the type used for farm fencing. \$4.00 per lb.; \$3.75 per lb. in lots of 5 lbs. or over.  
Order now for fresh seeds from 1950 crop.  
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Juniperus virginiana (Red Cedar) seeds.  
From inspected disease-free area.  
Lot us quote on your needs.  
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Erica medeolensis, 2 1/2-in. pot. . . . . .10  
Euonymus paltens, 2 1/2-in. pot. . . . . .10  
Fabiana, 2 1/2-in. pot. . . . . .15  
Gardenia grandiflora, 2 1/2-in. pot. . . . . .10  
Hex aquifolium, 2 1/2-in. pot. . . . . .15  
Hex cornuta burfordi, 2 1/2-in. pot. . . . . .15  
Hex cornuta femina, 2 1/2-in. pot. . . . . .15  
Hex crenata bullata, 2-in. pot. . . . . .12  
Hex crenata rotundifolia, 2-in. pot. . . . . .12  
Laurus officinalis, 2 1/2-in. pot. . . . . .20  
Laurus officinalis, 3-in. pot. . . . . .20  
Loropetalum chinense, 2 1/2-in. pot. . . . . .15  
Ligustrum lucidum, 2 1/2-in. pot. . . . . .10  
Osmanthus illicifolius, 2 1/2-in. pot. . . . . .15  
Osmanthus illicifolius, 3-in. pot. . . . . .20  
Philadelphus Belle Etoile, 2 1/2-in. pot. . . . . .15  
Plumbago griffithi, 2 1/2-in. pot. . . . . .12  
Pyracantha formosa, 4 in. can. . . . . .35  
Thea sinensis bohea, 2 1/2-in. pot. . . . . .15  
Thea sinensis bohea, 4-in. pot. . . . . .25  
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Albizia Julibrissin.

Now booking orders for future delivery at rock-bottom prices for clean, well grown, healthy stock of this popular, most beautiful, small, pink-flowering tree. Easy to transplant. Grows quickly.

Per 100 Per 1000  
6 to 10 ins. . . . . \$ 2.50 \$ 20.00  
12 to 18 ins. . . . . 4.00 30.00  
24 to 30 ins. . . . . 35.00  
36 to 48 ins. . . . . 10.00 70.00  
50 at 100 rate, 500 at 1000 rate.  
3 to 4-ft. transplants. . . . . 17.00 100.00  
4 to 5-ft. transplants. . . . . 30.00 225.00  
6 to 7-ft. transplants. . . . . 65.00  
7 to 8-ft. transplants. . . . . 90.00  
Not less than 10 at 100 rate.

RIEGL PLANT CO.  
Experiment, Ga.

## NIOBE WEeping Willow.

Staked, well grown.

Sizes 5 to 6 ft., 6 to 8 ft., and 8 to 10 ft.

Prices reasonable.

Available late Fall or Spring.

Write today to:

The FILLMORE COUNTY NURSERY

Canton, Minn.

## BERBERIS ATROPURPUREA.

Red Barberry. Per 100

15 to 18 ins. . . . . \$20.00

18 to 24 ins. . . . . 25.00

24 to 30 ins. . . . . 30.00

Also quotation on 1000 lots.

Nice, bushy, transplanted plants; good root action.

ENNIS FLORISTS

Box 452 Steubenville, Ohio

Our complete list of lining-out stock covering both broad-leaved and coniferous evergreens, shrubs, etc., is now ready for mailing upon receipt of your request.

T. G. OWEN & SON, Inc. Columbus, Miss.

## MIMOSA (Silktree).

Albizia julibrissin.

	Per 100	Per 1000
6 to 12 ins.	\$ 3.50	\$ 28.00
12 to 24 ins.	8.00	70.00
2 to 3 ft.	18.00	160.00
3 to 4 ft.	25.00	230.00
4 to 5 ft.	35.00	330.00
5 to 6 ft.	55.00	500.00
6 to 7 ft.	75.00	.....

These trees are grown from the best deep pink flowering trees that we know of in Oklahoma. In this way we strive for permanent satisfaction. This should mean a lot to you and your customers.

Liberal Grading—No Packing Charge.  
WARREN & SON'S NURSERY  
Rt. 4, Box 135-C Oklahoma City, Okla.

CHINESE BLIGHT-RESISTANT  
CHESTNUT TREES.  
Field-grown seedlings.

1 and 2-yr. trees.

	Each
6 to 12 ins.	\$0.10
12 to 18 ins.	.20
18 to 24 ins.	.35
2 to 3 ft.	.60
3 to 4 ft.	.75

6 per cent discount, cash with order.  
New wholesale list now ready.

## GLOBE NURSERIES

Box 249 McMinnville, Tenn.

## LINING-OUT STOCK.

Tough Canadianis, Collected Hemlock.

	Per 100	Per 1000
4 to 6 ins.	\$ 4.00	\$25.00
6 to 12 ins.	6.00	50.00

Acer saccharum, Sugar Maple.

2 to 2 ft. 7.50 70.00

2 to 3 ft. 10.00 90.00

Euonymus alatus, Winged Euonymus.

12 to 18 ins. 12.00 90.00

Spirea (thunbergii), 12 to 18 ins. 6.00 50.00

Write for our surplus list.

THE AIKEN NURSERIES

Putney, Vt.

Rosa multiflora japonica, thornless.

The large-grown strains good for budding

hedges and soil erosion control. Very hardy.

Rooted 9-in. cuttings. The thornless is very

good for budding purposes. 6 to 8 mm., \$6.00

per 100, \$40.00 per 1000.

2-yr., No. 1, 18 to 24 ins., \$12.00 per 100,

\$100.00 per 1000.

3-yr., No. 1, 2 to 3 ft., \$25.00 per 100,

9-in. cuttings, handmade, liberal count,

\$2.00 per 100, \$8.00 per 1000.

French Pussy Willow, 2-yr., 4 to 5 ft.,

\$20.00 per 100.

FINGER LAKES NURSERIES, Geneva, N. Y.

RED JAP. MAPLE SEEDLINGS.

Selected 100 per cent red, 3-yr., sturdy.

Per 100 Per 1000

10 to 12 ins., XXX. \$40.00

8 to 10 ins., XXX. 30.00 \$250.00

Pot these seedlings this fall and you will

have suitable maples by spring.

1-yr., selected, 100 per cent red,

5 to 8 ins., X. 18.00 150.00

1-yr. Acer pal. atrop., bed run,

5 to 8 ins. 9.00 75.00

Delivery fall or spring.

ELWOOD HUBBS

204 Delaware Ave. Palmyra, N. Y.

SPECIAL OFFER FOR FALL DELIVERY.

LILACS.

Two-year grafts \$30.00 per 100, \$250.00

per 1000 in the following varieties:

100 Lucy Ballet 100 Madame Lemoine

200 Belle de Nancy 500 Souvenir de Lud-

wig Spaeth

200 Madame Felix

200 Marechal Foch

C. HOOGENDORN

Turner Road Newport, Rhode Island

OAKS.

Fast-growing selections. White, a few Burr

and Turkey. Heavy. Limited supply.

6 to 7 ft., \$3.75; 7 to 8 ft., \$4.00; 8 to 10 ft.,

1 to 1 1/2-in. cal., \$4.45 each.

Terms: Cash, or 25 per cent with order,

balance C.O.D. in lots of 25 or more.

NUT TREE NURSERIES

Downingtown, Pa.

PINK DOGWOOD (Cornus florida rubra).

4000 2 to 3 ft., \$1.75 each.

100 or more at \$1.50 each.

4000 18 to 24 ins., \$1.00 each.

5000 12 to 18 ins., 75c each.

WENTZELL'S NURSERY

Cattell Rd. Sewell, N. J.

EUROPEAN WHITE BIRCH SEEDLINGS.

We offer these in grades from 6 ins. up to

24 ins. Write for prices, stating quantity

wanted.

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Montavilla Sta., P. O. Box 5137

Portland 16, Ore.

CHINESE ELM TREES.

Priced for quick sale.

3000 Chinese Elms, 6 to 6 ft., 6 to 8 ft.,

8 to 10 ft. and 1 1/2 to 2-in. caliper.

MEHRINGER NURSERY

Kinsley, Kan.

RED CEDAR.

10 to 15-in., field-grown transplants.

\$6.50 per 100, \$60.00 per 1000.

Grafting grade, \$8.50 per 100.

HOME NURSERY, Cuba, Kan.

## VEGETABLE ROOTS

ASPARAGUS, MARY WASHINGTON.

Strong, well graded, 100 minimum order.

Per 100 Per 1000

1-year 1.50 18.00

2-year 3.00 18.00

HORSE-RADISH, Maliner Kren.

4 to 6 ins. long, 1/4-in. diameter or better.

\$2.00 per 100, \$15.00 per 1000.

ROUDESH GARDENS

Rt. 3, Box 397 Dayton, Ohio

VICTORIA RHUBARB ROOTS.

1 to 1 1/2-in., \$30.00 per 100; 1/2 to 1-in.,

\$20.00 per 100; 1/2 to 1/4-in., \$15.00 per 1000.

For late fall shipment. Supply very limited

this year. Order early. Boxing at cost.

ASHCRAFT PLANT NURSERY

Copenish, Mich.

## VINES

AMAZING NEW GRAPE.

Black Beauty, 1 to 1 1/2-in. dia.; heavy, regular

bearer; ripe in this latitude through Octo-

ber. Fine eating, raw, jelly, preserves, wine.

2-yr., \$1.50 ea.; \$125.00 per 100. 1-yr., \$1.00

ea.; \$75.00 per 100. 25 at 100 rate; min. \$3.00.

L. A. RICHARDS Newton, Ill.

## CHRISTMAS TREES

CHRISTMAS TREES.

(Nursery-grown)

Norway, White and Colorado Spruce, 3 to

7 ft., 25c to \$1.25 each.

Red Pine, 4 to 7 ft., 85c each.

White Pine, 5 to 10 ft., 75c each.

Priced cut, F.O.B. Shepherd or Kingsley,

Mich. Write or phone:

DUANE CHAMBERLAIN

Phone: Ovid 183 Ovid, Mich.

## Surplus Stock

can be easily and quickly turned into

## Cash

by listing it in the

American Nurseryman Classified Ads.

## DECORATIVES

SPRUCE BOUGHS.

40,000 cull and row-run Norway, White and

Colorado Spruce trees for Christmas trees or

boughs. Priced at \$10.00 per 100 trees or

\$50.00 per 1000. Write:

DUANE CHAMBERLAIN Ovid, Mich.

## MISCELLANEOUS

Phlox, named, \$10.00 per 100. Can supply

up to 10,000. Polyanthus, \$10.00 per 100.

100 Rhododendron Hybrida, red, adlgs. 4 to

6 ins., 2-yr., \$35.00 per 100. Azalea Alta-

clarence, 4 to 6 ins., 2-yr., \$35.00 per 100. The

following at the nursery: Azalea mollis, 4-yr.,

8 to 12 ins., 50c; 12 to 16 ins., \$1.00 ea.

Pieris japonica, 12 to 16 ins., \$1.25; 16 to 20

ins., \$1.50 ea. Kalmia, \$1.00 to \$2.00 ea. Medi-

terranea Heather, large, 12 ins., 75c ea.

PORTLAND AVENUE NURSERY

1409 E. 59th St. Tacoma, Wash.

## SUPPLIES

DAHLIA OR TREE LABELS.

Priced per 1000

Plain Painted

3 1/2 x 5/8 ins., notched, not wired \$2.50 \$3.00

3 1/2 x 5/8 ins., wired, copper. 3.30 3.80

POT LABELS.

4 x 5 ins. (cartons 1000 each) 3.00 3.30

5 x 5 ins. (cartons 1000 each) 3.30 3.80

6 x 5 ins. (cartons 1000 each) 3.50 4.00

Priced per carton.

8 x 5 ins. (cartons 500 each) 2.50 3.00

10 x 5 ins. (cartons 500 each) 3.00 3.50

GARDEN STAKES.

Priced per carton.

8 x 1/2 ins. (cartons 250 each) 2.00 2.25

10 x 1/2 ins. (cartons 250 each) 2.25 2.50

12 x 1/2 ins. (cartons 160 each) 1.50 1.75

Our labels are perfectly white and smooth

on both sides and are pronounced by growers

the best and most economical.

YOH &amp; HOOKER Youngstown 2, Ohio

Made from a good grade of Southern Yellow

Pine, since Cypress is not available.

Standard specifications, inside measurements.

KNOCK-DOWN FLATS.

16x12x2 1/2 \$18.82 per 100

16x14x3 24.98 per 100

20x14x2 24.56 per 100

20x14x3 28.68 per 100

22x16x2 28.14 per 100

22x16x3 32.63 per 100

All other sizes quoted on request. Prices

F.O.B. Birmingham.

We are manufacturers, not jobbers. Freight

to any point is a small item per Flat. Our

Flats are the best. Why pay more? Our

quality guaranteed. Prompt shipment, any

quantity. Attach check to order.

We make mixed shipments of flats, plant

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HIGHTOWER BOX &amp; TANK CO.

Birmingham, Ala.

PRINTING—Letterheads, Billheads, State-

ments, Cards, Envelopes, Tags, Blotters,

Folders, Samples sent.

J. GARLAND HILL, Dept. A, Seaford, Del.

Now is the time to build new low-cost shade houses, or to replace your old worn-out lath or slat houses with Brand-new Low-cost Heavy Steel Wire Netting. This material is made of 16-gauge steel wire 2x6-in. mesh, furnished with steel wool and coated with high-grade enamel. Each roll is 75 ft. long by 6 ft. wide, containing 450 sq. ft. Inexpensive and easy-to-construct lath houses built with this netting provide uniform shade ideal for Azaleas, Camellias and for all other plants. Available for immediate shipment. Write for descriptive folder and prices to cover any quantity you may need from one roll to carlot shipments.

H. M. OWEN

P. O. Box 946

Columbus, Miss.

E. A. FARLEY

3333 Gentilly Blvd.

New Orleans, La.

ELECTRIC PROPAGATING KITS FOR GREENHOUSE BENCHES OR HOTBEDS. Each contains long-lasting HEATSUM CABLE, SOIL THERMOSTAT, PILOT LAMP AND THERMOMETER.

Sq. ft. Length and

Unit heated Watts Volts No. Units Price

"A" 20 200 110 1 60-ft. \$14.00

"B" 40 400 110 2 60-ft. 19.50

"D" 80 800 110 1 300-ft. 41.00

All prices F.O.B. Seattle.

COLDFRAME FROST PROTECTION.

Same equipment will protect 50 per cent

more area. LITERATURE ON REQUEST.

L. N. ROBERSON CO.

1539 E. 103rd St. Seattle 55, Wash.

## MICHIGAN PEAT.

IT'S BACTIVATED!

High nitrogen—quality PEAT at a low

price. No waste, 98 per cent organic. Serving

leading growers over 30 years. 5 sizes.

GUARANTEED ROTPROOF bags. Use

M. P. in your work—sell M. P. for extra

profits. OUR 100-lb. bag is HUGE.

2 to 100 bags (4 to 5 bu. CONCENTRATED

PEAT), ONLY \$1.65 per bag. F.O.B. Capac,

Mich. Be sure to get GENUINE MICHIGAN

PEAT. Write

MICHIGAN PEAT, Inc.

Phone: Capac 62 Capac, Mich.

## MULCH.

Forest Primeval Mulch and Soil Builder.

For mulching old and new lawns, evergreens,

rock gardens, perennial flower beds, rose-

bushes and other plants. Nothing need be

added to stimulate plant growth. One 100-

lb. bag of mulch will cover 100 sq. ft. of

surface. Instructions furnished with each

bag. 100-lb. bag, \$1.50; 5 bags, \$7.00; 10

bags, \$12.00; ton, \$24.00. F.O.B. Jasper, Ind.

Prepared by

WILSON NURSERIES Jasper, Ind.

## NURSERY REQUISITES.

Budding, Grafting Supplies, "TRE-TEX,"

Hydrometers, Hygrometers, Magnifiers, Prun-

ing and Spraying Equipment, Ladders.

Catalog on request.

Since 1906.

TYSON ORCHARD SERVICE

Flora Dale (Adams County), Pa.

MINNESOTA WHITE CEDAR FLATS.

12x16x2 1/2 \$18.25 per 100

14x20x3 22.00 per 100

14x20x3 1/2 25.00 per 100

Other sizes quoted on request. Also crating

and other lumber. Aspen and Pine. F.O.B.

Cook, Minn. Please attach check.

H. C. HILL &amp; SONS, Cook, Minn.

TREE MOVER, 4x4-in., on '41 Dodge, dual

4x4, power winch, removable. Complete

\$750.00.

DISSTON MODEL 12 SAW, 3 chains,

\$300.00.

McFARLAND TREE SERVICE

State Rd. No. Aurora, Ill.

WISCONSIN'S QUALITY SPAGNUM

**ANOTHER  
CHAMPION**

**LOW-COST  
KNAPSACK  
SLIDE  
SPRAYER**



Portable slide sprayer of big capacity, high power, simple operation; sprays any solution.

- ★ All-brass tank
- ★ Ideal extra sprayer
- ★ No leather packings
- ★ Self-cleaning
- ★ Steady spray or stream
- ★ Held snugly on back

Write for literature now

**CHAMPION SPRAYER CO.**  
Mfrs. of Portable Sprayers and Dusters  
6597 HEINTZ AVE. • DETROIT 11, MICH.

**HALPERN BROS.**

**NURSERY BURLAP**

Squares and Rolls

and

MESH COTTON NET SQUARES

272 S. 2nd St. Market 3346  
PHILADELPHIA 6, PA.



**GRAFTING KNIFE No. 105 A**  
(4 1/4-inch)

The best brand ever exported to the U. S. A.

Request our illustrated list of  
Nursery Knives and  
Pruning Shears.

**HERMANN A. WIRTH**  
Kitzingen a/M GERMANY

**GRO-QUICK** ELECTRIC SEED  
BED HEATER

**New HEAVY-DUTY  
GREENHOUSE CABLE  
New BULB THERMOSTAT**

**GRO-QUICK** 366 W. Huron St.  
CHICAGO 10, ILL.



**Learn ORNAMENTAL  
HORTICULTURE**

A thorough, constructive home training  
for employment or advancement in  
Nursery Operations, Park Supervision or Main-  
tenance, Landscape Designing or Landscape  
Gardening. Send for Free bulletin. APPROVED  
FOR VETERANS.

**NATIONAL LANDSCAPE INSTITUTE**  
Dept. N-10, 310 So. Robertson, Los Angeles 48, Calif.

**Ideal Garden Gadgets...**

**METAL LABEL MARKERS**  
Flag... Swing... Duplicate

SEND FOR DESCRIPTIVE FOLDERS TODAY

**LANSING SPECIALTIES MFG. CO.**  
721 N. HAYFORD • LANSING 12, MICH.



### WINTERING TREE ROSES.

In the midwest, particularly, tree roses are less popular than they might be because of the problem of carrying them over winter. Those planted about the office of the Hill Floral Products Co., Richmond, Ind., were successfully wintered last year by a novel means.

Two rings of hardware cloth enclosed each tree rose, one above the other, to the height required to protect the plant. The wire at the bottom was buried about two inches in the soil to keep out mice. The circular column so formed was filled with ground corncobs. Over the top was tied waterproof paper or canvas to keep out moisture. The tree roses remained upright and were given protection against drying winds by the column of corncobs.

### ADD TO QUILLEN FAMILY.

Mr. and Mrs. E. M. Quillen, Waynesboro Nurseries, Inc., Waynesboro, Va., have announced the marriage of their daughter, Amelia Pearl, to Frederic Lane McGiffin, son of Mrs. Winsdon Wheeler Demaine, Jr., of Alexandria, Va., and the late Frederic Lane McGiffin. The wedding ceremony was August 12 in the Catonsville Presbyterian church, Catonsville, Md.

Mr. and Mrs. Quillen also have a new grandson, born September 20 to Mr. and Mrs. Max Quillen. Max is general superintendent for the main nursery and packing house at Waynesboro Nurseries, Inc.

NOW in business for himself, after working for his father for many years, is Maurice Jones. His nursery is located at Black Horse pike, Williamstown, N. J.

CONSTRUCTION of a 40x60-foot cement block building is being completed for the Rider Nursery, Farmington, Ia., which will use the new addition as a sorting department. Hotbeds will be placed on the steel roof, which has a cement top.

**SITUATION WANTED**—Hollander, married, 37 yrs. old, wants position in well established nursery. 20 years' experience; specializes in hybridizing azaleas. House provided. Address Box 760, care of American Nurseryman.

**HELP WANTED**—Would like to hear from man who thinks he is capable of taking charge of a nursery and managing landscape work. Experience and ambition more essential than education. CHESTERTON NURSERIES, (Linderman's), Chesterton, Ind.

**WANTED**—Salesman who knows nursery trade to sell German Horticultural Peat Moss. Good producing territories open in midwest. Liberal commission basis. Contact: H. E. CLARK CO., Winfield, Kansas.

### AMERICAN NURSERYMAN

### WANT ADS

Display: \$3.00 per inch, each insertion.

Lines: 25¢ line; Minimum order \$2.00.

### FOR SALE

Nursery and Flower Shop

(Flower shop under construction)  
in Champaign and Urbana, Ill., home of University of Illinois. Pop., approx. 80,000; only nursery here. New home; tenant house occupied by D. P. landscape architect from Europe, with experience in flowers. Approx. 6,000 evergreens, 7 years old. Reason for selling, other business interests. If you are at all interested, don't pass this up; it really is good. \$15,000.00 will handle. Full details upon request. Address Box 761, care of American Nurseryman.

### SITUATION WANTED

All-around Dutch nurseryman and businessman wants to emigrate to U.S.A. owing to uncertain European situation. Prefers post as manager or other leading position. Must have guarantee to land. Speaks perfect English.

Send reply to No. 9F, "ELBEE" Adv. Agency, Hillegom, Holland.

### HELP WANTED

Experienced nurseryman for digging orders. Must know plants, evergreens, shrubs, etc., how to dig, ball, burlap and platform. Excellent job, good salary and bonus, opportunity for advancement for right party. Steady year-around work with old, reliable nursery. Write qualifications and time available for personal interview to R. K. RIBSAM NURSERIES, Inc., P. O. Box 100, Trenton, N. J.

### HELP WANTED

Landscape foreman for housing project and nursery operations. Unusual opening for aggressive man. Opportunity for part interest to right party. Permanent. Near Baltimore, Md. State age, experience, etc. Address Box 752, care of American Nurseryman.

### HELP WANTED

Salesman for large wholesale nursery calling on trade in middle west. Good opportunity for one capable of producing the business. Address Box 748, care of American Nurseryman.

### FOR SALE

Tree mover, capable of handling 12-in. trees. Also 555 ft. of galvanized pipe and fittings.

THE WING NURSERIES  
Mechanicsburg, Ohio

### FOR SALE

Small nursery of 1 1/4 acres, well stocked with peonies and evergreens, producing a nice income. 8-room house, garage and 3 packing sheds. Located in a central Illinois town with good schools and churches.

HOOPES FLOWER GARDENS  
Astoria, Ill.



# Fast, Thorough Soil Fumigation with

## DOWFUME MC-2

**permits planting within 48 to 72 hours**

**THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN**

Speedy action is possible with Dowfume MC-2 because it contains Methyl Bromide for quick, thorough penetration and rapid aeration.

**EFFECTIVE**—kills weed seeds and soil insects including nematodes, wireworms, and white grubs. At higher dosages, controls certain soil-borne plant diseases.

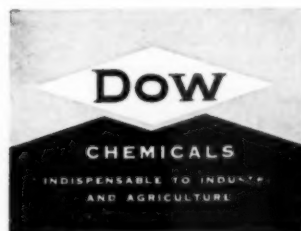
**USEFUL** for treatment of seed beds, propagating beds, hot beds, cold frames, benches, potting soils, compost and manure.

**EASY TO HANDLE** with simple applicator, saran tubing and gasproof cover.

**PROFITABLE**—healthier, more uniform stands may be expected after proper soil fumigation with Dowfume MC-2.

**ECONOMICAL**—one pound treats 100 square feet of soil for weed seed and insect control. Four pounds treat the same area for plant disease control.

For full information, ask your greenhouse supplier or write our Fumigant Division.



### SELF-SERVICE SYSTEM IN NURSERY.

[Concluded from page 9.]

plans to remedy by converting the display beds into modified cold-frames. Such a conversion would eliminate shifting the stock back and forth and would save hours of time and labor.

In a self-service nursery it is essential that everything be properly labeled and price-tagged. Home-made or makeshift signs are not adequate. The Burtons are trying to improve upon the present system. Most probable will be the use of a specially made, permanent, plastic marker mounted in a metal frame on a wire stake. This marker will have a colored picture of each particular plant and a brief description of its habits, along with the plant's cost.

A NEW retail nursery was started in September by William Adams, Jr., at 161 Harper street, New Concord, O.

RECENTLY added to the Carey Holmes shopping center, at Monroe, La., are a nursery and a gift shop which Mr. Holmes will operate himself.

### THE NEW MODEL B LINDIG SOIL SHREDDER

*The World's Finest*

Improved performance with

- Actioned Shredding Blades
- Increased Capacity
- More Uniform Shredding

Write for descriptive folder and prices and name of your nearest dealer.

**LINDIG MFG. CO., Inc.**

1875 W. Larpenteur Ave.

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### NURSERY TAGS

Suitable for Labeling

**Trees - Shrubs - Plants -  
etc.**

**Convenient - Economical**

**PREMIER SOUTHERN TICKET CO., Inc.**

1623-31 Dana Ave.

CINCINNATI 7, OHIO

### WANTED

**Distributors—Dealers**

Fast-selling, soluble, highest concentrate plant food. Formulated by G. T. Newnam.

**NU WAY PLANT FOOD CO.**  
STREATOR, ILL.

### PLASTIC FUMIGATION COVERS

for

Soil Fumigation

Tough, Nonrotting, Light

10 1/2 x 100 ft. .... \$28.00

13 1/2 x 100 ft. .... 34.65

**ENTERPRISE CHEMICAL CORP.**

213 W. Main St.

Louisville, Ky.

**Simplex**

SOIL TEST  
OUTFITS  
EASY • ACCURATE  
INEXPENSIVE

Write for information and prices.

**THE EDWARDS LABORATORY**

P. O. Box 2742-C • CLEVELAND 11, OHIO

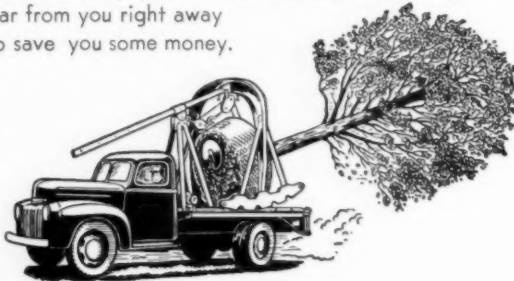
# Nov. 30 Deadline!

We've "held the line" a long time on price for the popular "Rocker" Mover for Big Trees . . . but rising costs of material, power winches and labor have made a price increase necessary.

We don't believe in "surprise attacks." So we've decided on a much needed and substantial price increase on Dec. 1, 1950 . . . and decided to say so **NOW** and accept orders through Nov. 30, 1950, at current prices. We have a small amount of protection ourselves and think it only fair to pass it along while we can.

So, if you need this modern equipment to handle big trees easily, we'll be glad to hear from you right away and do our best to save you some money.

- Fits any standard truck chassis.
- "Rocks forward" for balanced load on truck.
- "Rocks back" for easy loading and unloading.
- Superstructure removable for other truck use.
- Handles up to 12-inch trees. Two sizes. Custom fitted to your truck.
- Used by nurseries and park depts. all over U. S. "Rocker" Mover is patented.



**PRICE GOING UP—  
WRITE US TODAY!**

**Williams & Harvey Nurseries**

P. O. Box 7068, Country Club Station

KANSAS CITY 2, MO.

**IT PAYS**  
**TO Test Your Soil**  
**YOURSELF**

**SUDBURY SOIL TEST KIT**

Beat Rising Costs with Bigger Yield

**FREE TRIAL!**

The Sudbury Soil Test Kit saves you from using the wrong fertilizers by accurately showing correct amounts of nitrogen, phosphate and potash your soils need. Also shows pH. Result is bigger yield, better quality, more fancies—more profits with same overhead.

**So Simple Anyone Can Use It!**

Easy as reading a thermometer! Nothing to know; nothing to learn. Make tests anywhere, anytime at only 10c per test! No more waiting for reports.

**SEND FOR YOURS TODAY!**

**SEND NO MONEY—Super deLuxe Model**, welded steel carrying case, complete directions and supplies for hundreds of tests. Clip this ad. Send your name and address and we'll mail C. O. D. \$24.95 plus postage—or enclose check and we pay postage. Use 10 days, if not delighted, return for full refund.

**SUDBURY LABORATORY, Box 371, S. Sudbury, Mass.**  
Dealers: Write for Special Offer!

**ZIP-STAY LABELS**

Nurserymen's favorite for forty-five years. Please write for prices and samples.

**OHIO NURSERY LABEL CO.**  
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## E-Z-GARDS

the friendly FENCE

- self-supporting
- beautifies
- protects



Available in colors and galvanized

**WRITE US TODAY FOR ILLUSTRATED FOLDER AND DEALERS' PRICES!**  
**BROADWAY MACHINE & MFG. CO.**  
DEPT. A. SHELBYVILLE, INDIANA

THE WORLD'S BEST — 100% SOLUBLE

Immediately Available to Roots

**PLANT MARVEL**

"Just as you water"

for HOUSE PLANTS • SHRUBS • ROSES • VEGETABLES

Write for FREE SAMPLE, prices, etc.

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## AMERICAN NURSERYMAN

### LANDSCAPE PLANTING LISTS FOR THE SOUTHEAST.

[Continued from page 17.]

**NORTHERN PORTIONS OF MISSISSIPPI, ALABAMA, GEORGIA, SOUTH CAROLINA; ALL OF TENNESSEE AND NORTH CAROLINA, AND KENTUCKY, EXCEPT MOUNTAINOUS SECTIONS.**

**VINES**—Broad-leaved Evergreens.  
Akebia quinata, five-leaved akebia.  
Euonymus radicans, winter creeper.  
Euonymus radicans vegetus, bigleaf winter creeper.  
Hedera helix, English ivy.  
Lonicera japonica halliana, Hall's Japanese honeysuckle.

**VINES**—Deciduous.  
Ampelopsis quinquefolia, Virginia creeper.  
Celastrus orbiculata, Oriental bittersweet.  
Clematis paniculata, sweet autumn clematis.  
Wistaria floribunda, Japanese wistaria.

**GROUND COVERS**—Evergreen.  
Cotoneaster dammeri, creeping cotoneaster.  
Euonymus radicans acutus, sharpleaf winter creeper.  
Gelsemium sempervirens, Carolina jessamine.  
Hedera helix, English ivy.  
Hypericum calycinum, Aaron's-beard St. John's-wort.  
Vinca major, bigleaf periwinkle.

**GROUND COVERS**—Deciduous.  
Euonymus nanus, dwarf burning bush.  
Euonymus obovatus, running euonymus.  
Hypericum buckleyi, mountain St. John's-wort.  
Rosa wichuraiana, memorial rose.

**SHRUBS**—Coniferous Evergreens.  
Juniperus horizontalis plumosa, Andorra juniper, 2 feet.  
Juniperus chinensis pfitzeriana, Pfitzer juniper, 3 to 5 feet.

**SHRUBS**—Broad-leaved Evergreens.  
One to Three Feet.  
Azalea obtusa kiusiana, in variety, Kurume azalea.  
Buxus sempervirens, in variety, common boxwood.  
Chaenomeles japonica, dwarf flowering quince.  
Cotoneaster microphylla, rock spray.  
Lonicera pileata, privet honeysuckle.  
Ilex crenata helleri, dwarf Japanese holly.  
Mahonia repens, creeping holly-grape.

Three to Five Feet.  
Abelia grandiflora, glossy abelia.  
Berberis julianae, wintergreen barberry.  
Buxus sempervirens, in variety, common boxwood.  
Camellia sasanqua, Sasanqua camellia.  
Ilex crenata rotundifolia, roundleaf Japanese holly.  
Ilex glabra, inkberry.  
Mahonia aquifolium, Oregon holly-grape.  
Nandina domestica, sacred bamboo.

Five to Seven Feet.  
Cotoneaster francheti, Franchet cotoneaster.  
Cotoneaster, pannosa, silverleaf cotoneaster.  
Ilex cornuta burfordi, Burford holly.  
Jasminum nudiflorum, winter jasmine.  
Pyracantha coccinea pauciflora, little flower fire thorn.

Seven to Nine Feet.  
Ilex cornuta, Chinese holly.  
Ligustrum japonicum, Japanese privet.  
Pyracantha coccinea lalandi, Laland fire thorn.

Osmanthus fortunei, Fortune's osmanthus.  
Viburnum rhytidophyllum, leatherleaf viburnum.

#### Over Nine Feet.

Aucuba japonica, Japanese aucuba.  
Elaeagnus pungens, in variety, bronze oleaster.  
Ilex aquifolium, English holly.  
Ilex cassine, in variety, dahoon.  
Photinia serrulata, Chinese photinia.  
Prunus caroliniana, Carolina cherry laurel.  
Prunus laurocerasus, English cherry laurel.

#### DECIDUOUS SHRUBS.

##### One to Two Feet.

Cotoneaster adpressa, creeping cotoneaster.  
Hypericum buckleyi mountain St.-John's-wort.  
Rosa rugosa Max Graf, Max Graf rose.  
Viburnum opulus nanum, dwarf cranberry bush.

##### Two to Three Feet.

Chaenomeles japonica, dwarf flowering quince.  
Cotoneaster nitens, low cotoneaster.  
Hypericum moserianum, goldflower.  
Hypericum patulum henryi, Henry St.-John's-wort.  
Spiraea bumalda Anthony Waterer.

##### Three to Five Feet.

Azalea mollis, Chinese azalea.  
Callicarpa purpurea, Chinese beautyberry.  
Deutzia gracilis, Japanese snowflower.  
Philadelphus lemoinei, Lemoine mock orange.  
Spiraea prunifolia, bridal wreath.  
Spiraea arguta, garland spiraea.  
Spiraea reevesiana (cantoniensis), Reeves' spiraea.  
Viburnum acerifolium, mapleleaf viburnum.

#### SMALL TREES.

Acer palmatum, Japanese maple.  
Albizia julibrissin, mimosa.  
Cercis canadensis, eastern redbud.  
Cronus florida, flowering dogwood.  
Crataegus oxyacantha, scarlet hawthorn.  
Magnolia stellata, star magnolia.  
Malus, in species, flowering crab apple.

#### SHADE and STREET TREES.

Acer saccharinum, sugar maple.  
Fraxinus americana, white ash.  
Ginkgo biloba, maidenhair tree.  
Gleditsia triacanthos, common honey locust.  
Cedrus atlantica glauca, blue Atlas cedar.  
Cedrus atlantica pendula, weeping Atlas cedar.  
Cedrus deodara, deodar cedar.  
Cryptomeria japonica, Japanese cryptomeria.  
Cupressus sempervirens, Italian cypress.  
Libocedrus decurrens, incense cedar.  
Liquidambar styraciflua, American sweet gum.  
Liriodendron tulipifera, tulip tree.  
Nyssa aquatica, water tupelo gum.  
Nyssa sylvatica, black sour gum.  
Pinus palustris, long-leaved pine.  
Platanus acerifolia, London plane tree.  
Platanus occidentalis, sycamore.  
Quercus coccinea, scarlet oak.  
Quercus laurifolia, laurel oak.  
Quercus nigra, water oak.  
Quercus palustris, pin oak.  
Quercus phellos, willow oak.  
Quercus rubra, red oak.  
Quercus virginiana, live oak.  
Tilia americana, American linden.  
Tilia cordata, small-leaved linden.  
Tilia vulgaris, common linden.  
Ulmus pumila, Chinese elm.

[Continued on next page.]

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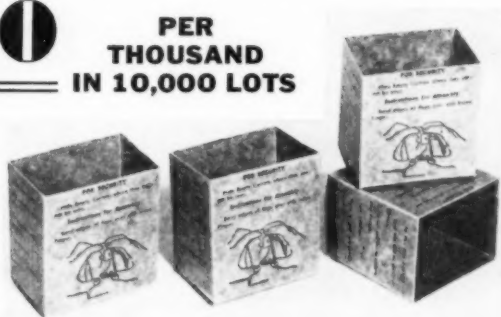
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VINES—Broad-leaved Evergreens.  
Akebia quinata, five-leaved akebia.  
Euonymus radicans, winter creeper.  
Hedera helix, English ivy.  
Lonicera japonica halliana, Japanese honeysuckle.

VINES—Deciduous.  
Ampelopsis quinquefolia, Virginia creeper.  
Celastrus orbiculata, Oriental bittersweet.  
Clematis paniculata, sweet autumn clematis.  
Wistaria floribunda, Japanese wistaria.

GROUND COVERS.  
Hedera helix, English ivy.  
Hypericum calycinum, Aaron's-beard St.-John's-wort.

Mahonia repens, creeping holly-grape.  
Pachysandra terminalis, Japanese spurge.  
Vinca minor, small-leaved periwinkle.

GROUND COVERS—Coniferous.  
Juniperus chinensis sargentii, Sargent juniper.  
Juniperus procumbens, low juniper.  
Juniperus sabina prostrata hillii, Hill's juniper.

GROUND COVERS—Deciduous.  
Euonymus nanus, dwarf burning bush.  
Hypericum buckleyi, mountain St.-John's-wort.

Rosa Max Graf, Max Graf rose.

#### SHRUBS.

One to Two Feet.

Cotoneaster adpressa, creeping cotoneaster.  
Cotoneaster microphylla, rock spray.  
Euonymus radicans vegetus, bigleaf winter creeper.

Two to Three Feet.

Azalea obtusa kiusiana, in variety, Kurume azalea.  
Buxus sempervirens, in variety, common boxwood.  
Ilex crenata convexa, Japanese holly.  
Mahonia repens, creeping holly-grape.

Three to Four Feet.

Azalea indica rosea, hybrid, hybrid Indian azalea.  
Berberis sargentiana, Sargent barberry.  
Ilex glabra, inkberry.  
Kalmia latifolia myrtifolia, myrtleleaf laurel.  
Mahonia aquifolium, Oregon holly-grape.

Four to Five Feet.

Abelia grandiflora, glossy abelia.  
Berberis julianae, wintergreen barberry.  
Cotoneaster francheti, Franchet cotoneaster.

Saves hours of digging time . . . costly labor

**NOW!** Plant heavier, wider trees and shrubbery with the **EXTRA-WIDE, 18 to 24-in diameter ROPER Digger**



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*Pyracantha coccinea pauciflora*, little flower fire thorn.  
*Rhododendron catawbiense*, Catawba rhododendron.

#### Five to Seven Feet.

*Ilex crenata microphylla*, littleleaf Japanese holly.  
*Ilex cornuta burfordi*, Burford holly.  
*Ligustrum japonicum*, Japanese privet.

#### Seven to Nine Feet.

*Elaeagnus pungens*, in variety, bronze oleaster.  
*Ilex crenata*, Japanese holly.  
*Ilex cornuta*, Chinese holly.  
*Rhododendron maximum*, great laurel.  
*Viburnum rhytidophyllum*, leatherleaf viburnum.

#### Over Nine Feet.

*Ilex opaca*, in variety, American holly.  
*Magnolia virginiana*, sweet bay magnolia.  
*Prunus caroliniana*, Carolina cherry laurel.

#### SHRUBS—Coniferous.

*Pinus mugo mughus*, Mugho pine.  
*Taxus baccata repandens*, spreading yew.  
*Taxus cuspidata nana*, dwarf Japanese yew.  
*Juniperus chinensis pfitzeriana*, Chinese Pfitzer juniper.  
*Juniperus canadensis compacta*, Canaert red cedar.  
*Taxus cuspidata intermedia*, yew.  
*Taxus media browni*, Brown's yew.

#### Five to Ten Feet.

*Tsuga canadensis compacta*, pyramidal hemlock.

#### SMALL TREES.

*Acer palmatum*, Japanese maple.  
*Albizia julibrissin*, mimosa.  
*Cercis canadensis*, eastern redbud.  
*Cornus florida*, flowering dogwood.  
*Magnolia soulangeana*, saucer magnolia.  
*Magnolia stellata*, star magnolia.  
*Malus*, in species, flowering crab apple.  
*Prunus*, in species, flowering cherry.

#### SHADE and STREET TREES.

*Acer saccharinum*, sugar maple.  
*Ginkgo biloba*, maidenhair tree.  
*Liquidambar styraciflua*, American sweet gum.  
*Liriodendron tulipifera*, tulip tree.  
*Pinus strobus*, white pine.  
*Platanus acerifolia*, London plane tree.  
*Platanus occidentalis*, sycamore.  
*Quercus nigra*, water oak.  
*Quercus palustris*, pin oak.  
*Quercus phellos*, willow oak.  
*Tilia americana*, American linden.  
*Tsuga canadensis*, Canada hemlock.  
*Tsuga caroliniana*, Carolina hemlock.

#### SHRUBS—Deciduous.

*Hypericum buckleyi*, mountain St.-John's-wort.  
*Rosa rugosa* Max Graf, Max Graf rose.  
*Viburnum opulus nanum*, dwarf cranberry bush.

#### Two to Three Feet.

*Chaenomeles japonica*, dwarf flowering quince.  
*Cotonaster nitens*, low cotoneaster.  
*Lonicera spinosa*, thorn honeysuckle.  
*Spiraea bumalda* Anthony Waterer, Anthony Waterer spiraea.

#### Three to Five Feet.

*Azalea mollis*, Chinese azalea.  
*Deutzia gracilis*, Japanese snowflower.  
*Hydrangea quercifolia*, oakleaf hydrangea.  
*Philadelphus lemoinei*, Lemoine mock orange.

[Continued on next page.]

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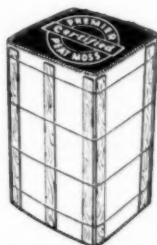


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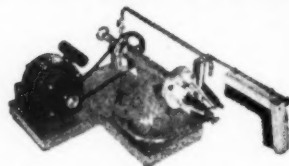
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Spiraea reevesiana (cantoniensis), Reeves' spiraea.

Viburnum acerifolium, mapleleaf viburnum.

Five to Seven Feet.

Azalea calendulacea, flame azalea.

Calycanthus floridus, common sweet shrub.

Euonymus alatus, winged euonymus.

Forsythia intermedia spectabilis, showy forsythia.

Lonicera fragrantissima, winter honeysuckle.

Philadelphus virginialis, virginial mock orange.

Syringa persica, Persian lilac.

Seven to Twelve Feet.

Hibiscus syriacus, shrub althea.

Ligustrum amurense, Amur river privet.

Lagerstroemia indica, common crape myrtle.

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A. and M. College, he a major in forestry and she in horticulture. Mr. and Mrs. Bob Colby have purchased Jones Florist, on Russell street, Craig, Colo., from Mrs. C. R. Jones, who was in business for about fifteen years.

STATEMENT of the ownership, management and circulation required by the act of Congress of August 24, 1912, as amended by the acts of March 3, 1933, and July 2, 1946, of American Nurseryman, published twice monthly, at Chicago, Ill., for October 1, 1950.

1. The names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, American Nurseryman Publishing Co., 343 S. Dearborn St., Chicago 4, Ill.; Editor, F. R. Kilner, 343 S. Dearborn St.; Managing Editor, None; Business Manager, F. R. Kilner.

2. The owner is: American Nurseryman Publishing Co., Chicago; the names and addresses of stockholders owning or holding one per cent or more of total amount of stock are: F. R. Kilner, 343 S. Dearborn St., Chicago 4, Kilner Family Trust, Kenilworth, Ill.

3. The known bondholders, mortgagees, and other security holders owning or holding one per cent or more of total amount of bonds, mortgages, or other securities are: None.

4. Paragraphs 2 and 3 include, in cases where stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting; also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner.

5. The average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the twelve months preceding the date shown above was 7,235.

(Signed) F. R. Kilner, Business Manager.

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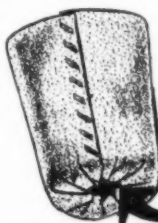
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TYPE	Height	Top Diam.	Nearest Clay Pot	Approx. Weight	PRICE	
(Packed 200 in carton)					Per 200	Per 1000
<b>SPECIAL LIGHT</b>						
No. 0	5 1/2 ins.	5 ins.	6 ins.	25 lbs.	\$5.00	\$22.50
No. 1	6 1/2 ins.	6 ins.	7 ins.	37 lbs.	7.00	32.50
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### PLANT NOTES.

[Continued from page 19.]

case, perhaps on stock from its southern range in California. There is no reason to think that a plant from the mountains in British Columbia to as far north as Alaska, I believe, would not be hardy in our northern states. Actually, we had no trouble with it here in temperatures as low as 36 degrees Fahrenheit below zero.

One will look in vain to ordinary texts for any mention of *G. nervosum* and to many a nursery before the plant is found. That is unfortunate, because the plant, with its prettily veined white flowers, deserves better recognition from both writers and gardeners. I had it years ago from a Colorado collector, but have not seen it mentioned lately. Rydberg speaks of its growing to 9,000 feet in mountains of Wyoming, Idaho and Colorado. It grew here about eight inches tall, as I remember the plant now, and did well in a gravelly soil on the acid side, preferably with some shade at midday.

Unless one has a particular color to perpetuate, geraniums are perhaps best grown from seeds. If seeds are pressed into the soil vertically, practically every viable one will

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germinate at the same time; if they are sown in the usual way, germination is likely to continue over a long period, which necessitates one's pricking out the first plants before others have even germinated. They may also be propagated by division of the clumps, or cuttings, if you prefer, with probably the best method being to pull the clumps apart in early spring. Grow the pieces along in frames or in a cool house, where temperature and moisture are under control of the operator, until they are large enough to line out.

### Phyteuma Comosum.

The recent note on campanula cousins, in which Phyteuma comosum was merely mentioned, brought forth at least three inquiries on that plant. As this is the only flicker of interest that correspondents have shown in this plant for some time, it makes me happy to comply, especially in view of the fact that one correspondent said that he understood from conversation with other growers and from his readings that the plant is too difficult for eastern American conditions.

And right there, I suspect, he and many others are wrong, for the fact that its natural habitat is the hot cliffs of the southern Alps fits it far better for conditions in eastern United States than for the moisture of the British isles, from whence has come most of the wailing about the plant's intractable nature. There gardeners have to go to much manipulation to keep the plant in the open; it is usually grown in pots in the alpine house. That feature is accounted for by the fact that the plant is intolerant of moisture around its crown. Its Italian home seems to have given some individuals the impression that it would be tender to cold, a supposition that has not been borne out in trials here.

I had some trouble with *P. comosum* at first, because of a lack of knowledge of its needs, but since I found out that it needs only a limestone soil, perfect drainage and a little water during long dry periods, it has caused me little extra work. As to hardness, the fact that William Reader, the superintendent of parks at Calgary, Alta., had, and probably has yet, a large planting of this rampion where it has taken the punishment of 50 degrees below zero in winter and often intense heat in summer tells one that it can stand almost anything that the United States has to offer. I am sure that careful growers will experience little difficulty with it if they use these



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observations as a basis for their work, as I have, and realize that the real problem in its culture is in bringing the seedlings through their delicate stage. And I am sorry that I cannot give specific directions for that task. All one can do, as far as my experience goes, is to handle the seedlings with one's most delicate touch; be careful in watering, always from the bottom, I believe, and transplanting. Fortunately, *P. comosum* is indestructible after it passes the seedling stage.

For the benefit of those who do not know the plant, I can do no better than to quote Farrer's description: "*Phytocoma comosum* is a most wierd thing from north Italian cliff-faces in the limestone, a fleshy-rooted species, with clumps of crenulated, round, greenish-black leaves, and then, sitting among them, great solid heads of what can only be described as small, purple soda-water bottles, with their nozzles all turned outward and a long feeler protruding." It may be added that the plant is not over three or four inches tall and that it blooms here in June.

### Delphinium Species.

A question received recently has me stopped, "Are the delphinium species worth the gardener's attention?" If it had been a little more specific, differentiating between the average gardener and the specialist, it might have been easier to answer. As it is, I shall answer it from the average gardener's standpoint. And after giving the subject much thought, let me say at the outset that I doubt if any of the species, with perhaps two or three exceptions, are worth the average gardener's attention. Now let us consider the subject from a few angles.

In the first place, it is difficult, even with the long array of species offered by some dealers, to obtain the species true to name. For in-

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stance, at least a dozen times I have bought what was purported to be *D. zalil*, and I doubt if I ever had it. In the face of the fact that modern botanists say that *D. sulphureum* is a synonym of *D. zalil*, I submit that if *D. zalil* is a tuberous-rooted species, which implies a perennial nature, then the biennial duration of the plant in gardens as *D. sulphureum* and its lack of tuberous roots indicate a difference in the species sufficient to make them distinct, as far as the gardener is concerned. But even so, the pale yellow of *D. sulphureum* and its biennial nature scarcely justify the work of growing it as a garden flower. Again, if one could keep the western American plant known in gardens as *D. ochroleucum* long enough for it to bloom and to produce seeds, its creamy-yellow flowers would be welcomed by gardeners. Incidentally, I notice that the botanists now tell us to call this one *D. menziesi ochroleucum*. But why go on? You will find the same characteristics of short life, difficult handling and other eccentricities among the red-flowered kinds. Even our common eastern species, *D. tricornis*, is an eccentric type, thriving like a weed in one garden and languishing in another.

There are exceptions to the general rule, however, as in the case of the lovely Chinese larkspur, *D. grandiflorum*, and many of its geographical forms, including the spurless *D. cinereum* from the Himalayas, known in gardens as Blue Mirror.

To recapitulate, it is my considered opinion that the average gardener and nurseryman will be happier if they leave the species to the specialist and take the best of his efforts as they appear on the market. Personally, I should never be satisfied with the arrangement, but I am peculiar that way.

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